

DEPARTMENT OF MEDICINE
ANNUAL REPORT
2020-2021

UF | UNIVERSITY *of*
FLORIDA
College of Medicine
Jacksonville

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STATEMENT FROM THE CHAIR
ACADEMIC YEAR 2021 (7/20 - 6/21)

Dear Colleagues and Friends:

I am pleased to share with you the Annual Report of the Department of Medicine at the University of Florida-College of Medicine - Jacksonville for the academic year July 2020 through June 2021. Despite the continuing challenges of the Covid-19 pandemic, the faculty and staff of the Department showed upmost degree of resilience and dedication to our institutional missions. Once again, we were able to accomplish our goals of achieving excellence in patient care, education and research.

Patient care: Despite the social distancing mandate along with patient concerns of the safety of clinic environment, our clinical volumes saw unprecedented growth. The General Internal Medicine and the subspecialties notably the Division of Pulmonary and Critical Care played a leading role in managing hospitalized patients. In addition, we saw substantial growth in the number of patients seen in our outpatient clinics at the 8th street campus, UF Health North and Emerson street campus. In addition, we forged a new clinical alliance to provide staffing of the Sulzbacher center to allow us to enhance our care for most vulnerable population in Jacksonville.

Clinical Productivity: Eight Divisions were at 65th percentile or better in clinical productivity as measured against Clinical Practice Solutions Center benchmarks. The growth in our clinical activities allowed the Department to finish the year with a positive variance to the budget of \$ 2,957,042 and a positive bottom line of \$716,897.

Education: The Department continues to excel in its mission of educating students and residents. There were 30 faculty members in the Department who received the Exemplary Teacher Award. In addition, several faculty members and trainees in the Department of Medicine were finalists for key education awards. Continuing Medical Education events, such as the annual Internal Medicine and annual Nephrology symposium were offered virtually.

Research: The Department had a productive year in research. There were 212 peer-reviewed publications, 23 monographs and book chapters. Faculty made over 120 national and regional presentations. During the academic year 2021, we had 94 research awards. The scholarly productivity of the house staff remained high with 46 published manuscripts and 69 oral/poster presentations at regional/national meetings.

Overall, the Department once again excelled in every aspect of the academic mission of educating students and residents, and faculty maintained their scholarly productivity. It is indeed a privilege and a distinct honor to have the opportunity to serve as the Chair of such an exceptionally productive Department.

Sincerely,

Arshag D. Mooradian, M.D.
Professor and Chair

DEPARTMENT ORGANIZATIONAL OVERVIEW
ACADEMIC YEAR 2021 (7/20 - 6/21)

Arshag D. Mooradian, M.D.

Chair, Department of Medicine

Linda R. Edwards, M.D.

Associate Chair, Department of Medicine

James Scolapio, M.D.

Associate Chair, Department of Medicine

Jeffrey House, D.O.

Associate Chair, Department of Medicine

Michael Haas, Ph.D.

Director of Research

Ronald Stone, M.B.A., R.D.

Director

DIVISION CHIEFS

Cardiology

Theodore Bass, M.D.

Endocrinology, Diabetes and Metabolism

Kent R. Wehmeier, M.D.

Gastroenterology

Peter Ghali, M.D.

General Internal Medicine

Linda R. Edwards, M.D.

Hematology and Medical Oncology

Walter Quan, Jr., M.D.

Infectious Disease

Michael Sands, M.D., M.P.H. & T.M.

Nephrology and Hypertension

Charles Heilig, M.D.

Pulmonary, Critical Care and Sleep Medicine

Vandana K. Seeram, M.B.B.S., M.D.

Rheumatology and Clinical Immunology

Gurjit Kaeley, M.D.

EDUCATIONAL LEADERSHIP

Jeffrey House, D.O. Program Director, Internal Medicine Residency**Carlos Palacio, M.D., M.P.H.** Associate Program Director, Internal Medicine Residency**Elisa Sottile, M.D.** Associate Program Director, Internal Medicine Residency and Director, Medical Student Clerkship

RESIDENTS/FELLOWS**Chief Residents**

Michael Carranza, DO, MS
 Patrisha Shelley, DO

Housestaff I

Zachary Chandler, DO
 Ryan Coultas, DO
 Luis Cruz-Saavedra, MD
 Ameen Fahad, DO
 David Gidla, MD
 Cameron Kahn, DO
 Monica Kumar, MD
 Reshmi Mathew, DO
 Swetha Nuthulaganti, DO
 Olushola Ogunlari, MD
 Melissa Oye, DO
 Shaorinkumar Patel, DO
 Zack Ramilevich, MD
 Stephanie Rothweiler, MD
 Hayley Shade, MD
 Radhika Sharma, DO
 Raj Shukla, DO
 Natalie Torrente, DO
 Marcos Valentin Rentas, MD
 Yixin Zhang, MD

Housestaff II

Aleem Ali, MD
 Joshua Calvert, MD
 Nisha Chowdhury, MD
 Pooja Dhruva, MD
 Samuel Foldy, DO
 Fadi Kandah, DO
 Najji Maaliki, MD
 Sebastian Mikulic, DO
 Kintin Ng, DO
 Nikita Patel, DO
 Carly Rabinowitz, MD
 Amy Roemer, DO
 Spencer Streit, DO
 Eby Thekkedath, DO

Housestaff III

Barrett Attarha, DO
 Michael Chahin, DO
 Madeline Fasen, DO
 Christopher Izzo, DO
 William Kogler, DO
 Nithya Krishnan, MD
 Andres Martinez, DO
 Michael Omar, MD
 Monique Oye, DO
 Bijal Patel, DO

Medical School

Nova Southeastern University College of Osteopathic Medicine
 Edward Via College of Osteopathic Medicine, Virginia Campus

Medical School

Pacific Northwest Univ Health Sciences College of Osteopathic Medicine
 Edward Via College of Osteopathic Medicine, Virginia Campus
 Universidad Central del Caribe School of Medicine
 Lake Erie College of Osteopathic Medicine, Bradenton
 Univ of the West Indies Faculty of Medicine St. Augustine, Trinidad
 Edward Via College of Osteopathic Medicine, Carolinas Campus
 FIU Herbert Wertheim College of Medicine
 Philadelphia College of Osteopathic Medicine, Georgia Campus
 Lake Erie College of Osteopathic Medicine, Bradenton
 University of Florida College of Medicine
 West Virginia School of Osteopathic Medicine
 Burrell College of Osteopathic Medicine
 Charles E. Schmidt College of Medicine at Florida Atlantic University
 St. George's University School of Medicine
 American University of the Caribbean School of Medicine
 Lake Erie College of Osteopathic Medicine, Bradenton
 Nova Southeastern University College of Osteopathic Medicine
 University of Pikeville Kentucky College of Osteopathic Medicine
 Ross University School of Medicine
 St. George's University School of Medicine

Medical School

Univ. of the West Indies Faculty of Medicine St. Augustine, Trinidad
 Ross University School of Medicine
 Ross University School of Medicine
 Rush Medical College of Rush University
 Alabama College of Osteopathic Medicine
 Lake Erie College of Osteopathic Medicine, Bradenton
 LAU Gilbert and Rose-Marie Chagoury School of Medicine
 Lake Erie College of Osteopathic Medicine, Bradenton
 Nova Southeastern University College of Osteopathic Medicine
 Lake Erie College of Osteopathic Medicine, Bradenton
 Florida State University College of Medicine
 Lake Erie College of Osteopathic Medicine, Bradenton
 Nova Southeastern University College of Osteopathic Medicine
 Philadelphia College of Osteopathic Medicine

Medical School

Philadelphia College of Osteopathic Medicine
 Edward Via College of Osteopathic Medicine, Carolinas Campus
 Nova Southeastern University College of Osteopathic Medicine
 Lake Erie College of Osteopathic Medicine, Bradenton
 Lincoln Memorial University DeBusk College of Osteopathic Medicine
 American University of the Caribbean School of Medicine
 Nova Southeastern University College of Osteopathic Medicine
 University of the West Indies Faculty of Medicine, Trinidad & Tobago
 West Virginia School of Osteopathic Medicine
 Philadelphia College of Osteopathic Medicine

Kevin Rechcigl, DO
 Kimberly Sanders, MD
 Sandra Sheffield, DO
 Anthony Stack II, DO

Nova Southeastern University College of Osteopathic Medicine
 St. George's University School of Medicine
 Philadelphia College of Osteopathic Medicine
 Lake Erie College of Osteopathic Medicine, Bradenton

Subspecialty Fellow – Housestaff IV

Kerolos Abadeer, MD - Gastroenterology
 Thaer Ahmad Musa, MD - Cardiology
 Oyindamola Akinjogbin, MD - Cardiology
 Kevin Green, MD – Pulmonary Critical Care
 Sonal Jadeja, DO, MS - Gastroenterology
 Hafiz Sarfraz Khan, MD - Nephrology
 Kevin Liu, MD - Cardiology
 Okechukwu Mgbemena, MD - Cardiology
 Jose Rivas Rios, MD - Cardiology
 Ailyn Rivero, MD - Endocrinology
 Sukhraj Singh, MD - Rheumatology
 Peter Staiano, DO – Pulmonary Critical Care
 Jorge Verdecia, MD – Infectious Diseases
 Firas Warda, MD - Endocrinology

Medical School

Ain Shams University Faculty of Medicine
 St. George's University School of Medicine
 Lagos State University College of Medicine
 Ross University School of Medicine
 Lake Erie College of Osteopathic Medicine, Bradenton
 Aga Khan University Medical College
 FIU Herbert Wertheim College of Medicine
 University of Alabama School of Medicine
 Universidad del Zulia Facultad de Medicina
 FIU Herbert Wertheim College of Medicine
 St. George's University School of Medicine
 Edward Via College of Osteopathic Medicine, Virginia Campus
 Ross University School of Medicine
 St. George's University School of Medicine

Subspecialty Fellow – Housestaff V

Zaiyara Adorno Rivera, MD - Nephrology
 Bashar Al-Turk, DO - Cardiology
 Zachary Burden, MD - Pulmonary Critical Care
 Sebastian Carrasquillo Montalvo, MD - Cardiology
 Bakht Cheema, MD - Gastroenterology
 Russell Fung, MD - Endocrinology
 Carol Halasan, MD – Infectious Diseases
 Irtiza Hasan, MD - Nephrology
 Meet Kadakia, MD - Hematology Oncology
 Shreya Mishra, MD - Cardiology
 Angela Richter, DO - Endocrinology
 Jose Ruiz Morales, MD - Cardiology
 Edin Sadic, MD - Cardiology
 Jorge Trabanco, MD - Pulmonary Critical Care
 Herit Vachhani, MD - Gastroenterology
 Zareen Vaghaiwalla, MD - Rheumatology
 Dominika Zoltowska, MD - Cardiology

Medical School

Universidad Iberoamericana (UNIBE) School of Medicine
 Lake Erie College of Osteopathic Medicine, Bradenton
 USF Health Morsani College of Medicine
 Universidad Central del Caribe School of Medicine
 Shifa College of Medicine
 University of Alabama School of Medicine
 Cebu Institute of Medicine
 Ibrahim Medical College
 Seth G.S. Medical College
 FIU Herbert Wertheim College of Medicine
 Lake Erie College of Osteopathic Medicine, Bradenton
 Universidad Central del Caribe School of Medicine
 USF Health Morsani College of Medicine
 Ross University School of Medicine
 American University of Antigua College of Medicine
 St. George's University School of Medicine
 Medical University of Gdansk

Subspecialty Fellow – Housestaff VI

Kyeesha Becoats, MD - Cardiology
 Sebastian Carrasquillo Montalvo, MD - Cardiology
 Hardik Chhatrala, MD, MPH – Hematology
 Oncology
 Shreya Ghetiya, MD - Cardiology
 Ciel Harris, MD - Gastroenterology
 Trevanne Matthews-Hew, MD – Hematology
 Oncology
 Pujan Patel, MD - Cardiology
 Aaron Richardson, DO - Cardiology
 Stuart Shah, MD - Pulmonary Critical Care
 Scott Steinberg, MD - Pulmonary Critical Care
 Lauren Stemborski, DO - Gastroenterology

Medical School

Stony Brook University Health Sciences Center School of Medicine
 Universidad Central del Caribe School of Medicine
 Pramukhswami Medical College
 Pandit Deendayal Upadhyay Medical College, Rajkot
 University of the West Indies, Barbados Faculty of Medical Sciences
 University of the West Indies Faculty of Medical Sciences, Jamaica
 Medical University of Lublin
 Edward Via College of Osteopathic Medicine, Virginia Campus
 Ross University School of Medicine
 Ross University School of Medicine
 Lake Erie College of Osteopathic Medicine, Bradenton

Subspecialty Fellow – Housestaff VII - 4

Christopher DeGroat, MD – Int. Cardiology
 Kerolos Fahmi, MD – Int. Cardiology

Medical School

American University of Antigua College of Medicine
 USF Health Morsani College of Medicine

GRADUATE MEDICAL EDUCATION
ACADEMIC YEAR 2021 (7/20 – 6/21)

Highlights

The COVID-19 pandemic continues to present challenges. Despite these trying times and the latest wave, the program continued to flourish and enjoy lots of success. The program continued to pursue excellence in the areas of scholarship, board pass rate, quality improvement, and fellowship match. Training programs remain strong in graduating physicians who support and serve our community. Fellowship remains a goal for the majority of our resident trainees.

At the annual program evaluation in the Spring, the program reviewed components of its self-study, including the program's SWOT analysis and Aims. In particular, the program Aims listed below were reaffirmed and deemed reflective of the academic mission of our residency program.

- Produce competent, independent practicing internists, who can comprehensively care for patients in both inpatient and outpatient settings
- Prepare competitive resident applicants for fellowship, who have the opportunity to pursue other interests beyond internal medicine. This may include scholarship, education, advocacy, or leadership
- Train practitioners to have a basic understanding of quality improvement and patient safety
- Produce residents who will serve the local community through their practice of primary care, hospital medicine, and medical subspecialties. These practitioners should have expertise in treating the variety of patient populations in our community, with a particular understanding of the medically underserved.
- Develop well-adjusted residents through a programmatic focus on physician well-being. The intent is that emotionally healthy physicians will be more resilient and able to deliver the best care to our community.

The class of 2021 was diverse in their destinations following graduation. Nine of our graduates sought fellowship training in the subspecialties of cardiology, gastroenterology, pulmonary/critical care, and hematology/oncology. While some graduates matched to fellowships at other institutions in Kentucky, Michigan, Missouri, and Georgia; six residents stayed in UF Jacksonville for fellowship. Others have pursued hospital medicine and clinical practice in the Southeast region of the country.

The class of 2021 was successful on the American Board of Internal Medicine examination achieving a 93% pass rate. Presently the program's ABIM three-year rolling average is 98%, above the national average of 93%. The program continues to provide trainees with a plethora of board preparation materials in addition to high-quality clinical training.

The leadership within the residency program remained stable for the past academic year. Drs. Michael Carranza and Patrisha Shelley continued the tradition of strong chief resident teaching and leadership. They continued to build on the strong foundation from their predecessors with the continuation of the Research Club. The Research Club is a forum for trainees to present new ideas and proposed projects in front of seasoned faculty, research professionals, and fellow trainees to solicit advice and feedback before embarking on a new research endeavor. In addition, they helped develop an ultrasound curriculum (bedside echocardiography, pulmonary, renal, and bladder examinations) that included morning lectures in morning report, and clinical bedside training using Butterfly ultrasounds and hands-on training in the Center for Simulation Education and Safety Research (CSESar).

As in years past, the department had a large number of faculty receiving Exemplary Teacher Awards. A remarkable 30 faculty were recipients this year and are listed in the Honors and Awards section below along with the resident teaching award recipient, Dr. Bijal Patel who was also a nominee for the Rosilie O. Saffos Outstanding Resident Teacher Award. A comprehensive list of award recipients is included in the Honors and Awards section.

The residents presented to local conferences of the Duval County Medical Society Annual Meeting and the UF College of Medicine Research Day in Jacksonville. Due to the pandemic, virtual presentations were made at regional conferences that included the Florida Chapter of the American College of Physicians Meetings, American Federation for Medical Research Southern Region, Society of Hospital Medicine, and Southern Hospital Medicine. Residents even presented virtually at prestigious national conferences that include American College of Cardiology, American Thyroid Association, American Society of Nephrology, and the American College of Gastroenterology meetings. Although the overall presentations were lower than previous years, residents continue to produce scholarly activity that included presentations, publications, and abstracts despite the pandemic.

The residency continues to make curricular changes to meet the new ever-changing landscape of graduate medical education. The program made significant strides in ultrasound training. The online learning platform and curriculum continued to develop under the leadership of our chief residents, Drs. Michael Carranza and Patrisha Shelley, as well as our faculty Drs. Brittany Lyons and Win Aung. The utilization of Point of Care Ultrasound (POCUS) increased with the Butterfly handheld ultrasounds in the inpatient and outpatient settings.

The medical student experience in the department has continued to thrive with Dr. Elisa Sottile as the clerkship director. Dr. Sottile meets with students individually, provides feedback, facilitates their self-reflection, and growth plans. As a member of the UF College of Medicine Regional Medical Campus Task Force, Dr. Sottile helped fashion innovative changes to the student curriculum to provide an opportunity for learners to better understand health systems science as well as how the social determinants of health impact their provision of care to an underserved population. The campus continues to attract visiting medical students from other institutions. The clerkship notably continued to grow in terms of the number of students coming from other medical schools to do elective rotations. These students rotate on internal medicine, inpatient cardiology, MICU, endocrinology, infectious disease, and nephrology. Many of these students interviewed with us and eventually matched with us.

Due to the pandemic, all programs continued to make rapid and drastic changes to nearly every aspect of health care and education. The divisions will reference the clinical aspect, but the educational mission was met with several challenges. The conferences and lectures were changed back from a virtual format to in-person with physical distancing to keep our trainees engaged. Technologies, including Zoom, Poll Everywhere, cameras, microphones, and iPad technology have found continued use in certain circumstances. There was an increase in cases of COVID-19 due to the delta variant causing significant stress on all physicians, especially residents and fellows. The core residency program adapted to the changes well in all the facets of training, healthcare, and well-being while maintaining cohesiveness. Despite the challenges, the program remained strong and productive despite the pandemic and continues to flourish thanks to the support of the department and the dedication of our staff, faculty, and trainees.

LISTING OF RESIDENCY PROGRAM LEADERSHIP



Jeff House, DO, Professor, Associate Chair of Education & Quality Improvement, and Program Director

Medical School	Nova Southeastern University
Rotating Internship	Broward General Hospital
Internship, Residency, and Chief Medical Resident	University of Florida Jacksonville



Carlos Palacio, MD, Professor, Associate Program Director

Medical School	University of Miami
Internship and Residency	University of Florida Jacksonville
Chief Medical Resident	University of Florida Jacksonville



Elisa Sottile, MD, Assistant Professor, Associate Program Director, & Clerkship Director

Medical School	Temple University, Lewis Katz School of Medicine
Internship and Residency	Graduate Hospital, Philadelphia, PA
Chief Medical Resident	Graduate Hospital, Philadelphia, PA



Brittany Lyons, DO, Assistant Professor, Assistant Clerkship Director

Medical School	Philadelphia College of Osteopathic Medicine
Internship and Residency	University of Florida Jacksonville



Michael Carranza, DO, Post-Doctoral Associate and Chief Medical Resident

Medical School	Nova Southeastern University
Internship and Residency	University of Florida Jacksonville
Chief Medical Resident	University of Florida Jacksonville



Patrisha Shelley, DO, Post-Doctoral Associate and Chief Medical Resident

Medical School	Edward Via College of Osteopathic Medicine
Internship and Residency	University of Florida Jacksonville
Chief Medical Resident	University of Florida Jacksonville

PUBLICATIONS

Sorted by category (published manuscripts, published abstracts, presentations and grants), and by year within each category. Residents are underlined.

Published manuscripts

Zoltowska DM, Sadic E, Becoats K, Ghetiya S, Ali AA, Sattiraju S, Missov E. Cardiac papillary fibroelastoma. J Geriatr Cardiol 2021; 18(5): E1–E6. PMID: 34149823

Ali AA, Zoltowska D, Sattiraju S, Missov E. Cardioembolic stroke in the setting of multiple left ventricular thrombi. BMJ Case Rep. 2021 May 10;14(5):e242195. doi: 10.1136/bcr-2021-242195. PMID: 33972304.

Ali AA, Maaliki N, Sottile E, Schey R. Persistent chest pain in the vomiting patient secondary to an incidental spontaneous pneumomediastinum. BMJ Case Rep. 2021 May 6;14(5):e243487. doi: 10.1136/bcr-2021-243487. PMID: 33958370.

Ali AA, Maaliki N, Oye Mo, Isache CL. Cryptococcal meningitis presenting with acute hearing loss. BMJ Case Rep. 2021 May 4;14(5):e242059. doi: 10.1136/bcr-2021-242059. PMID: 33947677; PMCID: PMC8098921.

Oye Mo, Richardson A, Sadic E, Alkhasawneh A, Velarde G. Cardiac Amyloidosis Presenting as Biventricular Systolic Heart Failure. Case Rep Cardiol. 2021 Apr 1;2021:6671469. doi: 10.1155/2021/6671469. PMID: 33868731; PMCID: PMC8035018.

Mikulic SA, Chahin M, Desai K, Chhatrala H. Proptosis and ovarian masses: extramedullary manifestations of acute myeloid leukaemia. BMJ Case Rep. 2021 Apr 13;14(4):e243045. doi: 10.1136/bcr-2021-243045. PMID: 33849887; PMCID: PMC8051389.

Ruiz J, Kandah F, Ganji M, Percy RF, Sattiraju S. A rare sighting: left atrial appendage thrombus seen on transthoracic echocardiogram. J Geriatr Cardiol. 2021 Mar 28;18(3):238-239. doi: 10.11909/j.issn.1671-5411.2021.03.007. PMID: 33907554; PMCID: PMC8047180.

Ali AA, Mathew R, Maaliki N, Shelley P. Recurring vomiting, skin discolouration: the easily overlooked thermal element of cannabinoid hyperemesis syndrome. BMJ Case Rep. 2021 Mar 24;14(3):e242062. doi: 10.1136/bcr-2021-242062. PMID: 33762293; PMCID: PMC7993339.

Maaliki N, Ali AA, Isache CL, Aung W. Unusual aetiology of respiratory compromise in a patient with AIDS. BMJ Case Rep. 2021 Mar 23;14(3):e240849. doi: 10.1136/bcr-2020-240849. PMID: 33758048; PMCID: PMC7993348.

Attarha BO, Mikulic S, Harris C, Scolapio JS. Kaolin Clay Anemia. Cureus. 2021 Mar 10;13(3):e13796. doi: 10.7759/cureus.13796. PMID: 33842169; PMCID: PMC8033420.

Patel B, Al-Turk B, Fahmi K, Martinez A, Zoltowska D, Pineda A, Missov E. Dynamic Visualization of Vasospastic Angina. Am J Med. 2021 Mar;134(3):e191-e192. doi: 10.1016/j.amjmed.2020.08.042. Epub 2020 Sep 30. PMID: 33007302.

Chahin M, Zoltowska D, Roemer A, Alkhasawneh A, Percy R. Papillary fibroelastoma: an unexpected finding on the aortic valve. J Osteopath Med. 2021 Mar 1;121(3):325-327. doi: 10.1515/jom-2020-0250. PMID: 33635960.

Ali AA, Maaliki N, Omar M, Roemer A, Ruiz J, Esmail K. Transient Third-Degree Heart Block Secondary to Asymptomatic COVID-19 Infection. American Journal of Medical Case Reports, vol. 9, no. 4, 2021, pp. 259–260.

Oye Mo, Oye Me, Ali A. Signs of early cardiac tamponade induced by Minoxidil. Am J Emerg Med. 2021 Feb;40:226.e1-226.e2. doi: 10.1016/j.ajem.2020.07.050. Epub 2020 Jul 24. PMID: 32778436.

Maaliki N, Kandah F, Ali AA, Farah J, Akinjogbin T, Franchi F. Typical atrial flutter from blunt cardiac injury: an atypical cause. J Geriatr Cardiol. 2021 Feb 28;18(2):155-157. doi: 10.11909/j.issn.1671-5411.2021.02.009. PMID: 33747066; PMCID: PMC7940960.

Ali AA, Oye Mo, Streit S, Foldy S, Aung W, Schey R. A Bleeding GIST Managed with Octreotide. Am J Med. 2021 Feb 21:S0002-9343(21)00113-3. doi: 10.1016/j.amjmed.2021.01.030. Epub ahead of print. PMID: 33621537.

Morales Hernandez M, Carranza M, Patel B, Calvert J, Masri G. (February 09, 2021) Purpura Fulminans in a Patient With Septic Shock due to Escherichia coli Bacteremia With Emphysematous Pyelitis. *Cureus* 13(2): e13249. doi:10.7759/cureus.13249

Richardson AC, Omar M, Velarde G, Missov E, Percy R, Sattiraju S. Right Atrial Appendage Thrombus in Atrial Fibrillation: A Case Report and Review of the Literature. *J Investig Med High Impact Case Rep*. 2021 Jan-Dec;9:23247096211010048. doi: 10.1177/23247096211010048. PMID: 33899523; PMCID: PMC8082980.

Omar MB, Maharaj S. Left ventricular thrombi in malignancy: A therapeutic dilemma. *Heart Lung*. 2021 Jan-Feb;50(1):231. doi: 10.1016/j.hrtlng.2020.10.001. Epub 2020 Oct 21. PMID: 33097298.

Ruiz JG, Kandah F, Dhruva P, Ganji M, Goswami R. Case of Coronavirus Disease 2019 Myocarditis Managed With Biventricular Impella Support. *Cureus*. 2021 Feb 7;13(2):e13197. doi: 10.7759/cureus.13197. PMID: 33717739; PMCID: PMC7943053.

Maaliki N, Ali AA, Izzo C, Patel H, Antoine S. Alarming Eosinophilia From Dobutamine Infusion. *Cureus*. 2021 Jan 6;13(1):e12530. doi: 10.7759/cureus.12530. PMID: 33564531; PMCID: PMC7863021.

Patel B, Oye Mo, Norez D, Isache C. Peripheral blood lymphocyte-to-monocyte ratio as a screening marker for influenza infection. *J Investig Med*. 2021 Jan;69(1):47-51. doi: 10.1136/jim-2020-001335. Epub 2020 Oct 1. PMID: 33004467.

Oye Mo, Zoltowska D, Gopireddy D, Percy R, Sattiraju S. A Complex Ventricular Septal Defect Causing Severe Aortic Insufficiency. *Cureus*. 2021 Jan 6;13(1):e12532. doi: 10.7759/cureus.12532. PMID: 33569260; PMCID: PMC7864680.

Mathew R, Chahin M, Isache C. Neisseria gonorrhoeae: An Unexpected Cause of Polyarthritits and Meningitis. *J Investig Med High Impact Case Rep*. 2021 Jan-Dec;9:23247096211012194. doi: 10.1177/23247096211012194. PMID: 33928799; PMCID: PMC8114289.

Chahin M, Chhatrala H, Krishnan N, Brow D, Zuberi L. Triple-Negative Lobular Breast Cancer Causing Hydronephrosis. *J Investig Med High Impact Case Rep*. 2020 Jan-Dec;8:2324709620905954. doi: 10.1177/2324709620905954. PMID: 32043897; PMCID: PMC7013110.

Thekkedath E, Mikulic S, Kandah F, Sheffield S. Treatment of sinonasal undifferentiated carcinoma with neoadjuvant chemotherapy and proton therapy. *Current Problems in Cancer: Case Reports* Volume 2, 15 December 2020, 100032.

Carranza M, Chahin M, Siddiqi A, House J. Malignant eosinophilic ascites due to metastatic urothelial carcinoma with peritoneal carcinomatosis. *BMJ Case Rep*. 2020 Dec 12;13(12):e238530. doi: 10.1136/bcr-2020-238530. PMID: 33310833; PMCID: PMC7735121.

Chahin M, Stack A, Siddiqi A, Shaikh M. Is it metastatic melanoma or is it sarcoidosis? Non-caseating granulomas due to pembrolizumab. *BMJ Case Rep*. 2020 Dec 22;13(12):e240701. doi: 10.1136/bcr-2020-240701. PMID: 33371005; PMCID: PMC7757511.

Oye Mo, Torrente N, Lyons B, Aung W. Unusual venous anomaly leading to malposition of dialysis catheter into the accessory hemiazygos vein. *BMJ Case Rep*. 2020 Dec 9;13(12):e238264. doi: 10.1136/bcr-2020-238264. PMID: 33298498; PMCID: PMC7733069.

Ali AA, Bajric B, Isache CL, Maharaj RP. Mosquito borne illness in a Floridian hiker. *Am J Emerg Med*. 2020 Dec 8:S0735-6757(20)31125-6. doi: 10.1016/j.ajem.2020.12.008. Epub ahead of print. PMID: 33339643.

Oye Mo, Ali A, Kandah F, Chowdhury N. Two cases of spontaneous pneumomediastinum with pneumothorax in patients with COVID-19 associated pneumonia. *Respir Med Case Rep*. 2020;31:101308. doi: 10.1016/j.rmcr.2020.101308. Epub 2020 Nov 26. PMID: 33262929; PMCID: PMC7689307.

Mikulic SA, Chahin M, Singh S, Thway M. Rare but deadly manifestation of systemic lupus erythematosus. *BMJ Case Rep*. 2020 Nov 2;13(11):e239646. doi: 10.1136/bcr-2020-239646. PMID: 33139378; PMCID: PMC7607560.

Antoine S, Oye Mo. McConnell's sign in invasive small cell lung cancer. *Eur Heart J Case Rep*. 2020 Nov 4;4(6):1-2. doi: 10.1093/ehjcr/ytaa302. PMID: 33629003; PMCID: PMC7891259.

Kogler W, Ruiz J, Ganji M, Ortiz I. Recurrent ventricular tachycardia secondary to severe coronary artery ectasia. *J Geriatr Cardiol.* 2020 Oct 28;17(10):647-648. doi: 10.11909/j.issn.1671-5411.2020.10.009. PMID: 33224186; PMCID: PMC7657950.

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Kandah F, Mikulic S, Patel P, Dhruva P. Because I Got High: Marijuana Induced Pseudo-Wellen's Syndrome. *Cureus.* 2020 Sep 11;12(9):e10390. doi: 10.7759/cureus.10390. PMID: 33062511; PMCID: PMC7550015.

Chahin M, Zoltowska DM, Al-Turk B, Suryadevara S. Vasospastic angina on coronary angiography. *BMJ Case Rep.* 2020 Sep 6;13(9):e237753. doi: 10.1136/bcr-2020-237753. PMID: 32895257; PMCID: PMC7476459.

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Ali AA, Bajric B, Maharaj R. Recurring delirium in a patient with a surgically altered GI tract [published online ahead of print, 2020 Jul 24]. *Am J Med.* 2020;S0002-9343(20)30614-8. doi:10.1016/j.amjmed.2020.06.030. PMID: 32712147

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Published abstracts

Ali AA, Ruiz-Morales J, Kogler W, Esmail K. MINS; cardiac arrest during laparoscopic appendectomy. *Journal of Investigative Medicine.* 2021;69:416-676.

Ali AA, Bajric B, Calvert J, Reddy P. Febrile neutropenia following infliximab. *Journal of Investigative Medicine.* 2021;69:416-676.

Maaliki N, Ali AA, Omar MB. Recalcitrant iron deficiency anemia and neuropathy as a façade of copper deficiency. *Journal of Investigative Medicine* 2021;69:416-676. SAFMR/SCSI Trainee Research Award.

Maaliki N, Mikulic S, Kogler W, Omar MB. Congenital long qt syndrome masquerading as epilepsy. Journal of Investigative Medicine 2021;69:416-676. SAFMR/SSCI Trainee Research Award.

Kogler W, Omar MB, Kandah F, Ruiz J. Cardiac tamponade secondary to covid-19. Journal of Investigative Medicine 2021;69:416-676. Cardiovascular Case Report Award.

Coultas RD, Shukla R, Sadic E, Omar MB. Recalcitrant catecholaminergic polymorphic ventricular fibrillation. Journal of Investigative Medicine 2021;69:416-676. SAFMR/SSCI Trainee Research Award.

Mikulic S, Dhruva P, Kandah F, Attarha B, Rollini F. A rare and mixed etiology of cardiac tamponade. Journal of Investigative Medicine 2021;69:416-676. SAFMR/SSCI Trainee Research Award.

Oye Me, Gidla D, Paglialonga S, Omar MB, Reddy P. Hungry bone syndrome following parathyroidectomy in tertiary hyperparathyroidism. Journal of Investigative Medicine 2021;69:416-676.

Gidla D, Pagliolonga S, Oye Me, Omar MB, Reddy P. Breaking the habit: resolution of cannabinoid hyperemesis syndrome with haloperidol. Journal of Investigative Medicine 2021;69:416-676.

Kandah F, Shukla R, Ruiz J. Heparin, the savior for the acute management of hypertriglyceridemia. Journal of Investigative Medicine 2021;69:416-676.

Nichols DS, Jhaveri H, Kumar M, Streit S. An atypical case of varicella-zoster virus (vzv) meningoencephalitis: absent skin findings in an immunocompromised adult. Journal of Investigative Medicine 2021;69:416-676.

Jhaveri H, Nichols DS, Streit S, Masri G. An atypical case of varicella-zoster virus (vzv) meningoencephalitis: absent skin findings in an immunocompromised adult. Journal of Investigative Medicine 2021;69:416-676.

Ali AA, Oye Mo, Streit S, Foldy S, Reddy P, Aung W, Schey R. A bleeding GIST managed with octreotide. The American Journal of Gastroenterology. 2020 Oct;115:pS1169. doi: 10.14309/01.ajg.0000710888.87628.55

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Izzo C, Streit S, Green K. Pulmonary venous thromboembolism causing acute ischemic limb. CHEST 2020 Oct;158:4:S1-S2654.

Streit S, Izzo C, Najjar N. Malignant peripheral nerve sheath tumor spread to the thoracic cavity causing obstructive shock. CHEST 2020 Oct;158:4:S1-S2654.

Foldy S, Lung J, Streit S, Sottile E. Epiglottitis: not just for kids. CHEST 2020 Oct;158:4:S1-S2654.

Mikulic S, Kandah F, Martinez A, Patel P. SARS-COV-2 induced myocarditis. CHEST 2020 Oct;158:4:S1-S2654.

Omar M, Kogler W, Patel H, Seeram V. Do-not-resuscitate does not mean do-not-care: a quality improvement initiative. CHEST 2020 Oct;158:4:S1-S2654.

Omar M, Kogler W, Shelley P, Patel P. A bridge into troubled myocardium. CHEST 2020 Oct;158:4:S1-S2654.

Oye Mo, Patel B. Flecainide induced diffuse alveolar hemorrhage. CHEST 2020 Oct;158:4:S1-S2654.

Oye Mo, Antoine S. Mcconnell's sign in invasive small cell lung cancer. CHEST 2020 Oct;158:4:S1-S2654.

Presentations

Ali A, Sharma R, Vachhani H, Schey R. Dysphagia refractory to pharmacotherapy in a myasthenic patient. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Ali A, Maaliki N, Ruiz J, Esmail K. An unusual etiology of heart failure; A cardiomyopathy creating a meshwork between pediatric and adult cardiology. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Attarha B, Abadeer K, Sharma R, Ribeiro B. Infection as a cause of massive lower gi bleeding. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Dhruva P, Zoltowska D, Kandah F, Mishra S, Sattiraju S. The devastating effect of an anomalous right coronary artery leading to cardiac arrest during childbirth. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Fasen M, Ali AA, Wehmeier K. A conservative approach to an aggressive presentation: nonsurgical treatment of a pituitary abscess. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Izzo C, Seeram V. Pulmonary venous thromboembolism causing acute ischemic limb. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Kahn C, Najjar N. A diagnosis of multiple autoimmune syndrome in the acutely ill patient. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Kandah F, Dhruva P, Maaliki N, Shukla R, Sadic E, Franchi F. Between a clot and a rupture. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Krishnan N, Shaikh M. Acute intermittent porphyria masquerading as psychiatric disease. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Maaliki N, Omar M, Ali AA, Sadic E, Ruiz J, Roemer A, Jacob R. We need more water under the myocardial bridge. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Martinez A, Mikulic S, Ruiz-Morales J, Becoats K, Rivas Rios J, Xiang K, Catalano C, Ash S, Fry P, Smith AM, Lowe MM, Araia A, Catanzaro J. Implementing quality improvement with fellow-in-training superusers: preventing preventable strokes initiative. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Mikulic S, Chahin M, Chhatrala H, Desai K, Zuberi L. Exophthalmos and ovarian masses, an unusual presentation of acute myeloid leukemia. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Ng K, Ashby T. Culture-negative septic shock-a diagnostic dilemma. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Patel B, Najjar N, Cury J. Ectopic Cushing's syndrome in metastatic small cell carcinoma. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Patel N, Stack A, Reddy P, Alkahasawneh A. It is not just a skin rash! Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Rabinowitz C, Roemer A, Reddy P. Early recognition of pyomyositis. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Rechciql K, Kandah F, Nuthulaganti S, Chowdhury N, Masri G. A deceiving case of tuberculosis. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Rothweiler S, Kahn C, Shah S, Najjar N. Air in all the wrong places, a case of Hamman's syndrome in a covid-19 patient. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Sanders K, Jadeja S, Bukeirat F, Makary R. Menetrier's disease presenting as a mass in the cardia of the stomach. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Sharma R, Patel P, Nuthulaganti S, Suryadevara S. The lone ranger: a rare case of a single coronary artery system. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Shukla R, Zoltowska D, Sattiraju S, Su J. Sudden cardiac arrest without overt heart disease. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Stack A, Sheffield S, Seegobin K, Maharaj S, Reddy P. Digital ischemia and ulceration from Monckeberg medial sclerosis. Poster presentation at: University of Florida College of Medicine Jacksonville Research Day; Jacksonville, FL. June 2021.

Fasen M. Approach to an aggressive presentation: nonsurgical treatment of a pituitary abscess. Poster presentation at: American Association of Clinical Endocrinology Annual Meeting; Virtual. April 2021.

Fasen M, Ali AA. Clavicular metastasis as an initial presentation of papillary thyroid cancer. Poster presentation at: Endocrine Society Annual Meeting; Virtual. March 2021.

Fasen M. Dual adenomas: detection of Cushing's syndrome of adrenal origin during evaluation of pituitary macroadenoma. Poster presentation at: Endocrine Society Annual Meeting; Virtual. March 2021.

Ali AA, Fasen M, Maaliki N, Shelley P. Lipemic blood: an alcohol-binge induced acute hypertriglyceridemia. Poster presentation at: Florida Chapter American College of Physicians; Virtual. March 2021.

Foldy S, Ng K. Recurrent CSFoma: an uncommon cause of small bowel obstruction. Poster presentation at: Florida Chapter American College of Physicians; Virtual. March 2021. WINNER

Izzo C, Mathew R, Roemer A. Systemic sclerosis sine scleroderma – a unique subset of a rare disease. Poster presentation at: Florida Chapter American College of Physicians; Virtual. March 2021.

Maaliki N, Thekkedath E, Dhruva P, Streit S, Staiano P, Sadic E, Najjar N. Management dilemma of ST-elevation myocardial infarction in TTP. Poster presentation at: Florida Chapter American College of Physicians; Virtual. March 2021.

Mikulic S, Chhatrala H, Chahin M, Desai K, Lamsal S, Zuberi L. Exophthalmos and ovarian masses, an unusual presentation of AML. Poster presentation at: Florida Chapter American College of Physicians; Virtual. March 2021. WINNER

Nuthulaganti S, Kandah F, Valentin M, Gutierrez M. Blasting into ACS. Poster presentation at: Florida Chapter American College of Physicians; Virtual. March 2021.

Rabinowitz C, Roemer A, Reddy P. Early recognition of pyomyositis. Poster presentation at: Florida Chapter American College of Physicians; Virtual. March 2021.

Zhang Y, Mathew R, Culpepper K, Cruz Saavedra L. Wonders of the vitamins. Poster presentation at: Florida Chapter American College of Physicians; Virtual. March 2021.

Ali AA, Ruiz-Morales J, Kogler W, Esmail K. Mins: cardiac arrest during laparoscopic appendectomy. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; Virtual. February 2021.

Ali AA, Bajric B, Calvert J, Reddy P. Febrile neutropenia following infliximab. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; Virtual. February 2021.

Coultas RD, Shukla R, Sadic E, Omar MB. Recalcitrant catecholaminergic polymorphic ventricular fibrillation. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; Virtual. February 2021. SAFMR/SSCI Trainee Research Award.

Gidla D, Pagliolongase S, Oye Me, Omar MB, Reddy P. Breaking the habit: resolution of cannabinoid hyperemesis syndrome with haloperidol. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; Virtual. February 2021.

Kandah F, Shukla R, Ruiz J. Heparin, the savior for the acute management of hypertriglyceridemia. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; Virtual. February 2021.

Kogler W. Cardiac tamponade secondary to covid-19. Oral presentation at: American Federation of Medical Research Southern Regional Meeting; Virtual. February 2021. Cardiovascular Case Report Award Winner.

Maaliki N, Ali AA, Omar MB. Recalcitrant iron deficiency anemia and neuropathy as a facade of copper deficiency. Oral presentation at: American Federation of Medical Research Southern Regional Meeting; Virtual. February 2021. SAFMR/SSCI Trainee Research Award.

Maaliki N, Mikulic S, Kogler W, Omar MB. Congenital long qt syndrome masquerading as epilepsy. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; Virtual. February 2021. SAFMR/SSCI Trainee Research Award.

Mikulic S, Dhruva P, Kandah F, Attarha B, Rollini F. A rare and mixed etiology of cardiac tamponade. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; Virtual. February 2021. SAFMR/SSCI Trainee Research Award.

Oye Me, Gidla D, Paglialonga S, Omar MB, Reddy P. Hungry bone syndrome following parathyroidectomy in tertiary hyperparathyroidism. Poster presentation at: American Federation of Medical Research Southern Regional Meeting; Virtual. February 2021.

Attarha B, Harris C, Scolapio J. Kaolin clay anemia. Poster presentation at: American College of Physicians Florida Chapter Fall Meeting; Virtual. November/December 2020.

Izzo C, Nuthulaganti S, Patel S, Najjar N. Acute pustular psoriasis manifesting as ARDS. Poster presentation at: American College of Physicians Florida Chapter Fall Meeting; Virtual. November/December 2020.

Kandah F. Because I got high: marijuana induced Pseudo-Wellens syndrome. Poster presentation at: American College of Physicians Florida Chapter Fall Meeting; Virtual. November/December 2020.

Oye Mo. Improving the safety of bedside paracentesis performed by internal medicine residents. Poster presentation at: American College of Physicians Florida Chapter Fall Meeting; Virtual. November/December 2020.

Rothweiler S, Kahn C, Shah S, Ferreira J, Jones LM. Air in all the wrong places, a case of Hamman's syndrome in a COVID-19 patient. Poster presentation at: American College of Physicians Florida Chapter Fall Meeting; Virtual. November/December 2020. WINNER

Zhang Y, Oye Mo. Takotsubo cardiomyopathy: a rare manifestation of Graves disease. Poster presentation at: American College of Physicians Florida Chapter Fall Meeting; Virtual. November/December 2020.

Ali AA, Oye Mo, Streit S, Foldy S, Reddy P, Aung W, Schey R. A bleeding GIST managed with octreotide. Poster presentation at: American College of Gastroenterology Annual Meeting; Virtual. October 2020.

Ali AA, Muenyi V, Schey R. Spontaneous pneumomediastinum secondary to cannabinoid hyperemesis syndrome. Poster presentation at: American College of Gastroenterology Annual Meeting; Virtual. October 2020.

Sanders K. Menetrier's disease presenting as a mass in the cardia of the stomach. Poster presentation at: American College of Gastroenterology Annual Meeting; Virtual. October 2020.

Foldy S, Lung J, Streit S, Sottile E. Epiglottitis: not just for kids. Poster presentation at: CHEST Annual Meeting; Virtual. October 2020.

Izzo C, Streit S, Green K. Pulmonary venous thromboembolism causing acute ischemic limb. Poster presentation at: CHEST Annual Meeting; Virtual. October 2020.

Martinez A. SARS-COV-2 induced very late stent thrombosis causing acute coronary syndrome with high clot burden and respiratory failure. Poster presentation at: CHEST Annual Meeting; Virtual. October 2020.

Mikulic S, Kandah F, Martinez A, Patel P. Sars-cov-2 induced myocarditis. Poster presentation at: CHEST Annual Meeting; Virtual. October 2020.

Omar M, Kogler W, Shelley P, Patel P. A bridge into troubled myocardium. Poster presentation at: CHEST Annual Meeting; Virtual. October 2020.

Omar M, Kogler W, Patel H, Seeram V. Do-not-resuscitate does not mean do-not-care: a quality improvement initiative. Poster presentation at: CHEST Annual Meeting; Virtual. October 2020.

Oye Mo, Patel B. Flecainide induced diffuse alveolar hemorrhage. Poster presentation at: CHEST Annual Meeting; Virtual. October 2020.

Oye Mo, Antoine S. Mcconnell's sign in invasive small cell lung cancer. Poster presentation at: CHEST Annual Meeting; Virtual. October 2020.

Streit S, Izzo C, Najjar N. Malignant peripheral nerve sheath tumor spread to the thoracic cavity causing obstructive shock. Poster presentation at: CHEST Annual Meeting; Virtual. October 2020.

Martinez A. SARS-COV-2 induced very late stent thrombosis causing acute coronary syndrome with high clot burden and respiratory failure. Poster presentation at: Cardiovascular Research Foundation Annual Meeting; Virtual. October 2020.

Attarha B. COVID-19 induced very late end stent thrombosis. Poster presentation at: Southern Regional Assembly Meeting; Virtual. October 2020.

Kogler W. Time is myocardium: the effects of delayed anticoagulation in unstable angina patients who later develop NSTEMI. Poster presentation at: Duval County Medical Society Annual Meeting; Jacksonville, FL. October 2020.

Oye Mo. Improving the safety of bedside paracentesis with localization of the inferior epigastric artery. Poster presentation at: Duval County Medical Society Annual Meeting; Jacksonville, FL. October 2020. WINNER.

Chahin M. Diffuse pustules and fever: an uncommon presentation of psoriasis. Poster presentation at: Florida Medical Association Meeting; Virtual. August 2020.

Kandah F. Cardio-embolic stroke seen in a patient with non-ischemic cardiomyopathy and left ventricular non-compaction. Poster presentation at: American College of Cardiology Florida Chapter Annual Meeting; Virtual. August 2020.

Kogler W. The effects of delayed anticoagulation in unstable angina patients who later develop NSTEMI. Poster presentation at: American College of Cardiology Florida Chapter Annual Meeting; Virtual. August 2020.

Omar M. Cardio-embolic stroke seen in a patient with non-ischemic cardiomyopathy and left ventricular non-compaction. Poster presentation at: American College of Cardiology Florida Chapter Annual Meeting; Virtual. August 2020.

Grants

Attarha B, Omar M. Effect of Trimethobenzamide on QTc interval in patients with prolonged QTc interval at baseline: a prospective observational study. Project period: October 2019 to October 2020. Sponsor: University of Florida College of Medicine - Jacksonville. Role: Principal Investigator and Co-PI.

HONORS AND AWARDS

Melissa Oye, DO	Intern of the Year
Michael Omar, MD	Senior Resident of the Year
Stuart Shah, MD	Fellow of the Year
Pramod Reddy, MD	Teacher of the Year
Monique Oye, DO	Best Conference Attendance
Monique Oye, DO	Procedure Completion Award
Madeline Fasen, DO	ACP Resident of the Year
Michael Chahin, DO	Malcolm T. Foster, Jr., MD Scholarship Award
Barrett Attarha, DO	Ann Harwood-Nuss Resident Advocate Award
Anthony Stack, DO	Edward Jelks Outstanding Resident Clinician Award
Elisa Sottile, MD	Louis S.Russo Jr., Faculty Award for Outstanding Professionalism in Medicine

Bijal Patel, DO is one of the recipients of the resident UF College of Medicine Exemplary Teachers Award and a finalist for the Rosilie O. Saffos Outstanding Resident Teacher Award.

Dominick Angiolillo, MD; Win Aung, MD; Joe Chehade, MD; Dave Cury, MD; Gunjan Gandhi, MD; Peter Ghali, MD; Maria Gutierrez, MD; Hadi Hatoum, MD; Jeff House, DO; Carmen Isache, MD; Vishal Jaikaransingh, MD; Marilu Jurado, MD; Gurjit Kaeley, MD; Mariam Louis, MD; Brittany Lyons, DO; Ron Mars, MD; Ghania Masri, MD; Emile Missov, MD; Carlos Palacio, MD; Robert Percy, MD; Malleswari Ravi, MD; Pramod Reddy, MD; Michael Sands, MD; Srinivasan Sattiraju, MD; Ron Schey, MD; Vandana Seeram, MD; Elisa Sottile, MD; Siva Suryadevara, MD, Myint Thway, MD; and Laura Zuberi, MD are recipients of the faculty UF College of Medicine Exemplary Teaching Award.

ENDOWMENTS AND GIFTS

The Anne and Max Michael, Jr. Education Fund, Established 2006, by Mrs. Anne Michael

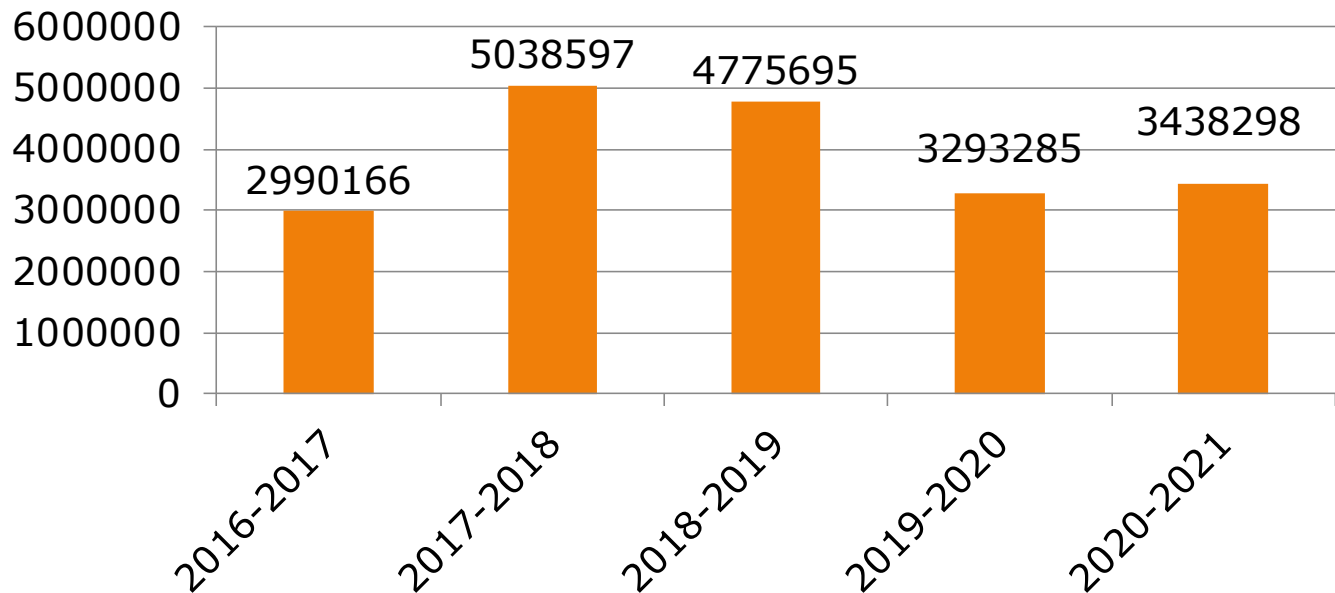
CLASS OF 2021 DESTINATIONS

<u>Chief Medical Residents</u>	<u>Professional Status</u>	<u>Location</u>
Michael Carranza, DO	Gastroenterology Fellowship	USF Morsani HCA Bayonet Point
Patrishia Shelley, DO	Pulmonary/Critical Care Fellowship	University of Louisville, Kentucky
<u>Preliminary Residents</u>	<u>Professional Status</u>	<u>Location</u>
Luis Cruz-Saavedra, MD	Neurology Residency	University of Florida Jacksonville
Amen Fahad, DO	Neurology Residency	University of Florida Jacksonville
Monica Kumar, MD	Anesthesiology Residency	University of Florida Gainesville
Olushola Ogunlari, MD	Internal Medicine Residency	Morehouse School of Medicine
Zack Ramilevich, MD	Neurology Residency	University of Florida Jacksonville
Hayley Shade, MD	Neurology Residency	University of Florida Jacksonville
<u>Categorical Residents</u>	<u>Professional Status</u>	<u>Location</u>
Barrett Attarha, DO	Gastroenterology Fellowship	University of Florida Jacksonville
Michael Chahin, DO	Hematology Oncology Fellowship	Medical College of Georgia, Augusta
Madeline Fasen, DO	Chief Medical Resident	University of Florida Jacksonville
Christopher Izzo, DO	Chief Medical Resident	University of Florida Jacksonville
William Kogler, DO	Cardiology Fellowship	University of Florida Jacksonville
Nithya Krishnan, MD	Hematology Oncology Fellowship	University of Florida Jacksonville
Andres Martinez, DO	Baptist Hospital Medicine	St. Vincent's MC, Jacksonville, FL
Michael Omar, MD	Cardiology Fellowship	University of Florida Jacksonville
Monique Oye, DO	Cardiology Fellowship	Henry Ford Hospital, Michigan
Bijal Patel, DO	Pulmonary/Critical Care Fellowship	University of Florida Jacksonville
Kevin Rechcigl, DO	Baptist Hospital Medicine	Jacksonville, FL
Kimberly Sanders, MD	Gastroenterology Fellowship	University of Missouri, Kansas City
Sandra Sheffield, DO	Primary Care Group Practice	Valdosta, Georgia
Anthony Stack, DO	Hematology Oncology Fellowship	University of Florida Jacksonville

DEPARTMENT RESEARCH
ACADEMIC YEAR 2021 (7/20 - 6/21)

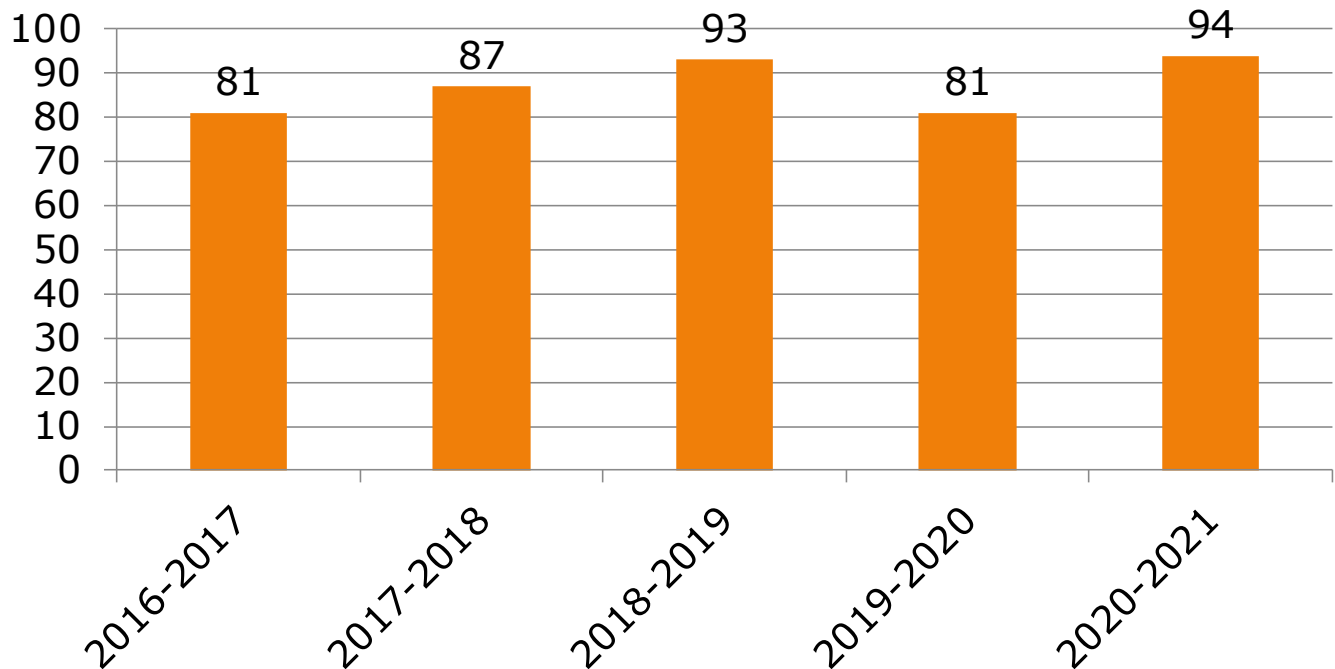
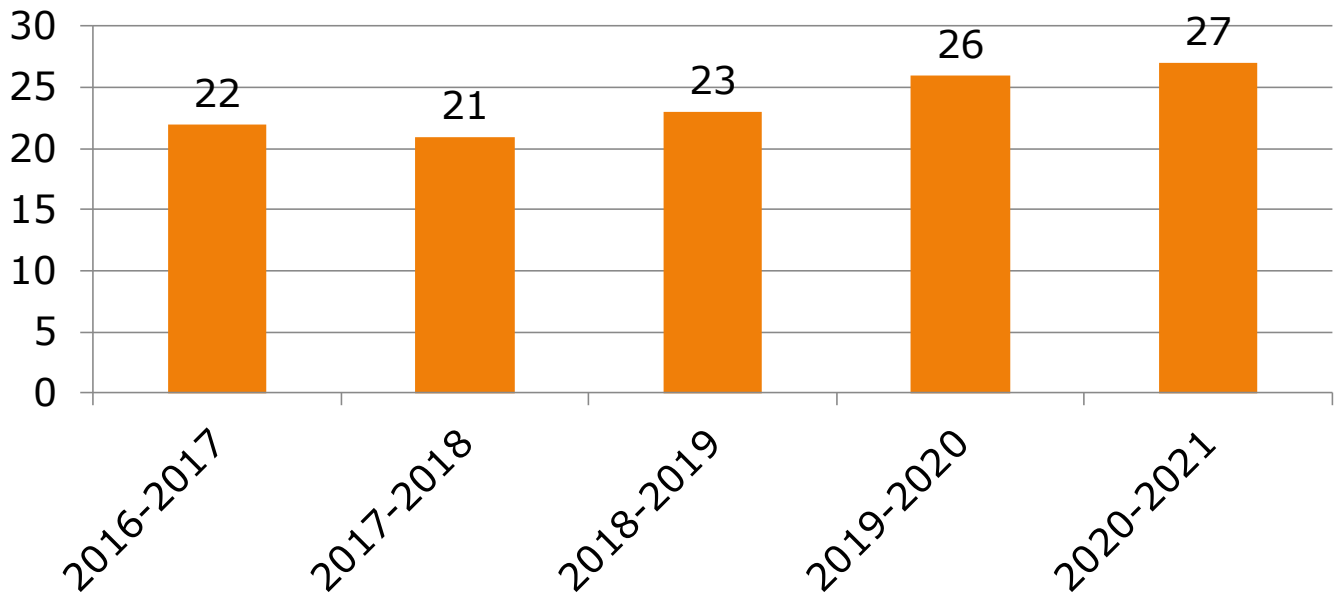
The faculty in the Department of Medicine continue to obtain research awards and train future investigators; an important aspect of the University of Florida College of Medicine-Jacksonville’s mission. Trends in external funding for fiscal year 2020-2021 and four prior years are shown in **Figure 1**.

Total Grant Revenue



External funding from federal, state, industry, foundation and other sources increased 4% this fiscal year compared to last. There was an increase in the number of funded investigators, from 26 investigators last fiscal year to 27 investigators this fiscal year (**Figure 2**). Importantly, there was a significant increase in the number of funded projects; from 81 last fiscal year to 94 this fiscal year (**Figure 3**).

Funded Investigators



Several faculty members in the Department of Medicine have basic/translational science projects in the Medical Research Building. **Michael Haas, Ph.D.**, (Endocrinology) is investigating molecular mechanisms that regulate expression of genes involved in cholesterol transport and the integrated stress response in human coronary artery endothelial cells. **Kent Wehmeier, M.D.**, (Endocrinology) is investigating the effects of nicotine on cellular stress in smokers and in human coronary endothelial cells and studying apoptosis in osteocytes. **Charles Heilig, M.D.**, (Nephrology and Hypertension) is examining the regulation of glucose transporter 1 expression by mechano-growth factor as well as examining the role of glucose transporters in liver cancer.

Residents and sub-specialty fellows in the Department of Medicine are assigned a mentor and participate in basic, translational, quality improvement research, epidemiological, or clinical research. At the Celebration of Resident and Fellow Education and Research Awards, **Dr. Pujan Patel** and **Dr. Barrett Attarha** were finalists for the Ann Harwood-Nuss Resident Advocate Award. **Dr. Anthony Stack** was a finalist for the Edward Jelks Outstanding Resident Clinician Award and **Dr. Shreya Ghetia** was a finalist for the Rosilie O. Saffos Outstanding Resident Teacher Award. **Dr. Sebastian Montalvo** was a finalist for the Robert Wears Outstanding Resident in Quality and Patient Safety Award and **Dr. Irtiza Hassan** and **Dr. Aaron Richardson** were finalists for the Louis S. Russo Award for Outstanding Professionalism in Medicine.

DIVISION OF CARDIOLOGY
ACADEMIC YEAR 2021 (7/20 - 6/21)

Highlights

- Telemedicine and In-person visits at two UF Primary Care offices in Jacksonville (Kernan and St. Jose)
- Telemedicine at one UF Primary Care office (Crossroads)
- Expand collaborative efforts between Cardiovascular Imaging Program and Anesthesia to expand transesophageal (TEE) program to 3 days a week resulting in an overall increase in TEE volume; such expansion has been of benefit for cardiovascular fellowship program
- Expanded outpatient 2D-echo facility (i.e., addition of one full-time room) leading to increase in volume
- Developed an outpatient Vascular Imaging lab providing initially carotid ultrasound and then expanded to include vascular imaging/mapping (arterial and venous) of lower extremities
- Started Phase One Cardiac Rehab program in CCU and CVICU allowing to provide inpatient with rehab services translating into an increase in Phase II Cardiac Rehabilitation program
- Started planning phase of Peripheral Vascular Disease Rehabilitation and Heart Failure Rehabilitation as an expansion to our Cardiac Rehab program
- Started planning of new Cardiac Rehab facility at Tower 2
- Started planning of new implantable device monitoring system for heart failure patients (i.e., Cardiomems)
- Started planning phase to expand outpatient non-invasive services at UF North to include standard 2D-echo, TEE, stress echo (i.e., dobutamine)
- Started planning phase to expand outpatient nuclear stress testing at UF North in collaboration with Radiology
- Expansion of APP program at Downtown, UF North and St. Mary's outpatient practices
- Started discussions for expansion of non-invasive imaging program at Baymeadows in collaboration with Radiology
- Started discussions for expansion of outpatient clinic visits at Southside Primary care office
- Started planning for pilot scribe program to evaluate increase in outpatient clinic metrics (volume and level of service)
- Expanded recruitment efforts for EP and non-invasive services

Education: The fellowships programs remain competitive. We had a very successful match filling all 6 positions with top tier candidates in our general fellowship program. Our fellows had an exceptional year for scholarly activities acceptance into major regional and national venues. Several projects have been accepted to venues such as; The American College of Cardiology, Society of interventional Cardiology, The Heart Failure Society among others. Many of these projects have been presented virtually while others await final determination of presentation platform given COVID 19. Our fellows actively participate in research projects. We continue to successfully place graduates interested in more advanced training into highly competitive subspecialty programs nationwide. Our post doc/OPS research fellowship has expanded and are integrated with the clinical and translational aspects of the Cardiovascular Research program and partake in other educational activities within the Division of Cardiology.

The following continue to take place and provide a robust platform for learning and academic discussion. These and most of our didactic and academic exchanges changed to virtual participation in view of the COVID19 pandemic.

- Monday Morning Report - Mandatory meeting for all fellows to discuss important, challenging cases that present to CCU over the weekend or preceding week.
- Updated core curriculum lectures on every cardiology discipline reviewed twice yearly by Didactic Curriculum Committee
- Goals and objectives for every clinical and nonclinical rotation by program year level

- Ongoing participation in Cardiology Journal Club
- Board review/ in-training exam review sessions now increased to 2-3 a month
- Ongoing participation on Wellness/Well-Being initiatives for all faculty and fellows.
- Guest lecture faculty participating in our weekly didactic conference sessions
- Hemodynamic simulation programs twice per year
- Transthoracic and Transesophageal Echo simulation program via CESAr sim lab for first year fellows
- General Cardiology fellows develop quality assessment and improvement protocols and present them at research conferences
- General Cardiology fellows participate in a variety of research opportunities in the division and present their work at research day
- General fellows continue to actively participate in EKG, Echo, EP, Valvular and Cath conferences

The following initiatives have taken place this past year and are resulting in positive results:

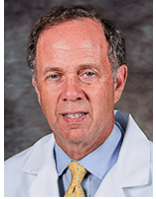
- Update of educational materials for fellowship program, including general cardiology, echocardiography, and nuclear cardiology board review material
- Modernization of schedule flow in high clinical demand areas (i.e., non-invasive laboratories)
- Left ventricular support and hemodynamic simulation programs, in addition other simulation programs for TEE
- General Cardiology fellows continue to develop quality assessment and improvement protocols and present them at research conferences
- General Cardiology fellows participate in a variety of research opportunities in the division
- Cardiology Grand Round series with invited internal, national and or international experts
- Opportunities to obtain CME credit through Cardiology Grand Rounds and Cath Conferences
- Advanced imaging rotation (Cardiac CT and MR) at UF Health –Jacksonville – Dept. of Radiology
- Promoted Quality improvement course (yellow Belt Certification)
- Updated core curriculum lectures on every cardiology discipline reviewed twice yearly by Didactic Curriculum Committee
- Expanded Guest lectures in specific therapeutic areas
 - Pulmonary series with Dr. Seeram (UF – Jax)
 - Advance imaging series with Dr. Gopireddy (UF- Jax)

Research: Our faculty continues to excel in research, scholarly production and participation in national and international scientific sessions. We have approximately 50 ongoing studies, which range from basic/translational research to large scale clinical trials in various areas of cardiovascular disease. These include investigator initiated as well as sponsored studies. We have published approximately 50 peer-reviewed manuscripts, 1 book chapter, numerous abstracts and presentations at local, national and international meetings. We currently hold leadership positions in most major cardiovascular societies and editorial positions in many major cardiovascular journals. We continue to receive consistently increasing extramural funding. Our research staff has also expanded to meet the demands of our growing research operations following our recent relocation to a new cardiovascular research building which hosts a state-of-the art thrombosis research laboratory, patient waiting area, clinical visit rooms, and offices for research staff.

LISTING OF FACULTY MEMBERS

**Dominick Angiolillo, M.D. Ph.D., Professor**

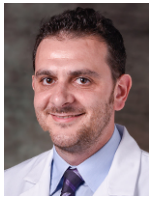
Medical School The Catholic University of the Sacred Heart Medical School, Italy
 Professional Education – Ph.D. The Catholic University of the Sacred Heart Medical School, Italy
 Internship/residency The Catholic University of the Sacred Heart Medical School, Italy
 Subspecialty training

**Theodore Bass, M.D., Professor and Division Chief**

Medical School Brown University
 Internship/residency Mayo Clinic
 Subspecialty training Boston University

**John Catanzaro, M.D., Assistant Professor**

Medical School State University of New York
 Internship/residency North Shore University Hospital
 Subspecialty training North Shore University Hospital
 The John Hopkins Hospital – Cardiac Electrophysiology

**Francesco Franchi, M.D., Assistant Professor**

Medical School University of Modena and Reggio Emilia, Modena, Italy
 Subspecialty training School of Cardiology, University of Modena and Reggio Emilia, Modena, Italy

**Alan Miller, M.D., Professor**

Medical School University of Pittsburgh
 Internship/residency Mount Sinai
 Internship/residency George Washington University
 Subspecialty training and year Cleveland Metropolitan Hospital

**Dr. Robert Percy, M.D., Associate Professor**

Medical School University of Mississippi
 Internship/residency University of Mississippi
 Subspecialty training Jacksonville Health Education Programs
 Subspecialty training Mass General Hospital – Cardiac Rehabilitation
 Subspecialty training Joslin Clinic – Diabetes

**Andres Pineda Maldonado, M.D., Assistant Professor**

Medical School Pontificia Universidad Javeriana, Bogota Colombia
 Internship/residency Mount Sinai Medical Center, Miami, FL
 Subspecialty training Mount Sinai Medical Center, Miami, FL
 Subspecialty training Mount Sinai Medical Center, Miami, FL–Interventional
 Cardiology
 Subspecialty training Duke University Hospital – Structural Heart Disease
 Interventions

**Fabiana Rollini, M.D., Assistant Professor**

Medical School University of Modena and Reggio Emilia, Modena, Italy
 Subspecialty training School of Cardiology, University of Modena and Reggio Emilia, Modena, Italy


Srinivasan Sattiraju, M.D., Assistant Professor

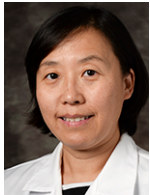
Medical School
Internship/residency
Subspecialty training

Adichunchanagri Institute of Medical Sciences, Karnataka, India
University of Medicine and Dentistry of New Jersey
University of Minnesota Medical School,


Daniel Soffer, M.D., Associate Professor

Medical School
Internship/residency
Subspecialty training
Subspecialty training

Ben Gurion University, Israel
Lenox Hill Hospital
Lenox Hill Hospital – Cardiovascular Disease
William Beaumont Hospital – Interventional Cardiology


Jialin Su, M.D., Ph.D., Assistant Professor

Medical School

Professional Education – Ph.D.

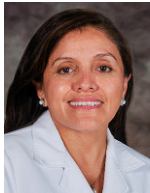
Internship/residency
Subspecialty training
Subspecialty training

Peking Union Medical College/Tsinghua University, Beijing, China
Peking Union Medical College/Tsinghua University, Beijing, China
North Shore-Long Island Jewish Health System
Rhode Island Hospital/Brown University
Beth Israel Deaconess Medical Center - Electrophysiology


Siva Suryadevara, M.D., Assistant Professor

Medical School
Internship/residency
Subspecialty training

University of the West Indies
University of Florida College of Medicine-Jacksonville
University of Florida College of Medicine-Jacksonville


Gladys Velarde, M.D., Associate Professor

Medical School
Internship/residency
Subspecialty training

New York University School of Medicine
Columbia Presbyterian Medical Center
Boston University/Mount Sinai Hospital


Martin Zenni, M.D., Associate Professor

Medical School
Internship/residency
Subspecialty training

University of Chicago
Tufts University
Harvard Medical School

PUBLICATIONS

Coughlan JJ, Aytekin A, Lahu S, Ndrepepa G, Menichelli M, Mayer K, Wöhrle J, Bernlochner I, Gewalt S, Witzenbichler B, Hochholzer W, Sibbing D, Cassese S, **Angiolillo DJ**, Hemetsberger R, Valina C, Müller A, Kufner S, Liebetrau C, Xhepa E, Hapfelmeier A, Sager HB, Joner M, Fusaro M, Richardt G, Laugwitz KL, Neumann FJ, Schunkert H, Schüpke S, Kastrati A. Ticagrelor or Prasugrel for Patients with Acute Coronary Syndrome Treated With Percutaneous Coronary Intervention: A Prespecified Subgroup Analysis of a Randomized Clinical Trial. *JAMA Cardiol.* 2021 Jun 30:e212228. doi: 10.1001/jamacardio.2021.2228. Epub ahead of print. PMID: 34190967; PMCID: PMC8246339.

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Sadic E, Morales JR, **Missov E, Percy R, Sattiraju S**. Between a Rock and a Hard Place: Metastatic Calcinosis of Left Ventricular Outflow Tract Secondary to Renal Failure Resulting in Symptomatic Aortic Regurgitation. *CASE (Phila)*. 2021 Feb 5; 5(2):101-104. doi: 10.1016/j.case.2021.01.001. eCollection 2021 Apr. PMID: 33912778 Free PMC article.

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Oye M, Zoltowska D, Gopireddy D, **Percy R, Sattiraju S**. A Complex Ventricular Septal Defect Causing Severe Aortic Insufficiency. *Cureus*. 2021 Jan 6; 13(1):e12532. doi: 10.7759/cureus.12532. PMID: 33569260 Free PMC article.

Ali AA, Zoltowska D, **Sattiraju S, Missov E**. Cardioembolic stroke in the setting of multiple left ventricular thrombi. *BMJ Case Rep*. 2021 May 10; 14(5):e242195. doi: 10.1136/bcr-2021-242195. PMID: 33972304 No abstract available.

Udemgba C, **Missov E, Percy R, Sattiraju S**. A case report of an unusual left atrial mass. *Eur Heart J Case Rep*. 2020 Dec 28; 5(1):ytaa500. doi: 10.1093/ehjcr/ytaa500. eCollection 2021 Jan. PMID: 33554028 Free PMC article.

Book chapters:

Chang Hoon Lee, **Dominick J Angiolillo**. Platelet physiology and pharmacology – relevant considerations for patient care. In Sorin Brenner (ed): *Dual Antiplatelet Therapy for Coronary and Peripheral Arterial Disease*. First Edition. Elsevier, 2020.

CLINICAL ACTIVITIES

Outpatient Activity	AY 20/21
Physician clinic visits	22,832
Cardiac nuclear studies	1502
Echo Stress	354
Stress tests	2737
Cath Lab Procedures	1943
EP Lab Procedures	607
Cardiac rehab visits	3341
Mitraclip	7
Watchman	45
TAVR/TEVR	38
Peripherals	200

CONTRACTS AND GRANTS

Principal Investigator	Study Title	Project Period	Sponsor	Award Amount
Angiolillo, D	Impact of the PCSK9 inhibitor evolocumab on the pharmacodynamics effects of clopidogrel in patients with atherosclerotic	2017-2020	Amgen	\$543,126
Angiolillo, D	Pharmacodynamic effects of low-dose rivaroxaban in combination with antiplatelet therapies in patients with coronary and peripheral artery disease manifestations	2018-2020	Janssen	\$342,046.80
Angiolillo, D	Switching from standard of care dual antiplatelet treatment (DAPT) regimens with aspirin plus a P2Y12 inhibitor to dual pathway inhibition (DPI) with low-dose rivaroxaban in adjunct to aspirin in patients with coronary artery disease: The Switching Anti-Platelet and Anti-Coagulant Therapy (SWAP-AC)	2019-2021	Janssen	\$335,367.57
Angiolillo, D	Impact of DNA methylation in candidate genes on reduced CYP2C19 metabolic activity and increased P2Y12 activity in coronary artery disease patients with type 2 diabetes mellitus patients and impaired renal function	2020-2021	Scott R Mackenzie Foundation	\$250,000

DIVISION OF ENDOCRINOLOGY, DIABETES AND METABOLISM
ACADEMIC YEAR 2021 (7/20 - 6/21)

Highlights

The Division of Endocrinology, Diabetes and Metabolism had a year of sustained change and development in all areas of the academic mission of the University of Florida. Clinically, major events included expansion of clinical services geographically and provision to a broader audience including the growth of virtual visits as a way to provide care to patients during the COVID-19 crisis. Academically, the Division submitted multiple manuscripts, delivered multiple scholarly presentations and contributed to the university's educational mission.

Patient care: The Division provided inpatient and outpatient consultation on site and virtually at the University of Florida College of Medicine-Jacksonville campuses and Emerson Medical Plaza to faculty of the university and referring physicians in the northeast Florida/southern Georgia region and beyond. The UF North campus extends endocrinology services to a broader area of the First Coast. The core clinical faculty of the Division include Dr. Joe Chehade, Dr. Marilu Jurado, Dr. Gunjan Gandhi, Dr. Arshag Mooradian, Dr. Leena Shahla and Dr. Kent Wehmeier. The Division addressed clinical endocrinology issues related to hypothalamus, pituitary, thyroid, pancreas, adrenal and sex hormone gland dysfunction as well as gender identity. Patients with metabolic disorders including diabetes mellitus, polycystic ovary syndrome, obesity, anorexia, hypercholesterolemia, calcium and metabolic bone diseases such as osteoporosis and vitamin D deficiency were evaluated and treated. The Division's main clinical operations occurred at UF Endocrinology and Diabetes at Emerson Medical Plaza. The number and variety of consultations continued to rise. Patients were also evaluated at the UF Health-Jacksonville Ambulatory Care Center (ACC) and at the UF Health North Hospital and Clinic primarily through the work of Dr. Gandhi and Dr. Shahla. Our faculty performed analyses of the glucose monitoring data, obtained by continuous glucose monitoring to make recommendations regarding diabetes management. Institution of point-of-care HbA1c testing expedited decisions in diabetes management at all sites. Diabetes care has matured with the partnering of outpatient diabetes medical nutrition therapy with the Division of Endocrinology. Kristina Worthington, MSH, RD/N, CSSD, LD/N provides onsite education at the UF Emerson and UF North clinics for diabetes management, carbohydrate counting and medical nutrition therapy (MNT.) Ms. Worthington also brings to the Division expertise in high performance dietetics and other areas of nutrition counseling. Measurement of basal metabolic rate onsite facilitated nutrition prescriptions for patients. Dr. Chehade, Dr. Jurado and Dr. Shahla utilized ultrasound for diagnosis and ultrasound guidance for the evaluation of patients with thyroid nodules, parathyroid neoplasia, lymph nodes, and thyroid cancer providing comprehensive care to patients with nodular diseases of the neck.

A unique collaboration with the UF College of Medicine-Jacksonville's Department of Oral Maxillofacial Surgery, Surgery, Radiology, Nuclear Medicine and Pathology has enhanced the care of patients with thyroid and parathyroid disease. Through the discussion and implementation of diagnostic and treatment protocols, the care of these patients has been standardized to better evaluate outcomes and focus on patients with more challenging management issues.

The care of patients with pituitary or sellar tumors was also advanced through the collaboration of the departments of neurosurgery, radiology, radiation therapy, pathology and otolaryngology. During weekly conferences, challenging cases were presented to the group to provide unique diagnostic and treatment approaches for individuals with rare neoplasms and unique presentations.

On the inpatient service, more patients were served by endocrinology consultation. The Division also provided evaluation and management in the areas of diabetes, thyroid disease, electrolyte disorders, adrenal insufficiency and patients with pituitary issues at UF Health Jacksonville and UF Health North to facilitate optimal care of patients with these conditions.

Leading the charge for better inpatient diabetes care, the Division's own Dr. Gandhi chaired the Diabetes Steering Committee. This multidisciplinary body of physicians, nurses, pharmacists, dieticians and performance improvement specialists comes together to discuss common issues in glucose control at UF Health Jacksonville. Strategies to improve outcomes are discussed and implemented.

As a result of the COVID 19 pandemic our division participated in the management of hospitalized patients on inpatient Medicine teams as a result of the work of Dr. Firas Warda, a first year endocrinology fellow in our program.

Education: The Endocrinology fellowship continues to maintain its ACGME accreditation, under the direction of Program Director, Dr. Gunjan Gandhi and Dr. Kent Wehmeier as Associate Program Director. Dr. Ailyn Rivero and Dr. Firas Warda joined the Division in July 2020. Dr. Russell Fung and Dr. Angela Richter have been exceptional and productive additions to the Division and completed their fellowships June 30, 2021. All four fellows have made substantive contributions to the clinical care, education and research mission of the Division. In resident physician education, Dr. Wehmeier continued as rotation coordinator of relevant educational programs for Endocrinology. He is the primary liaison between the Core Residency Program and the Division, and is a member of the Resident Education Committee. The faculty members and fellows participate in teaching rounds in the clinic and in conferences to enhance the experience of the rotating residents. Dr. Gandhi has been a Steering Panel member for the Endocrine Society in preparing In-Training Exams for endocrine fellows.

In the educational program of the University of Florida, Dr. Chehade, Dr. Gandhi, Dr. Haas, Dr. Mooradian, Dr. Jurado, Dr. Shahla and Dr. Wehmeier precept trainees at UF clinics in Endocrinology and coordinate lectures for the University of Florida medical students and residents in medicine. The Division of Endocrinology Grand Rounds provides an avenue for speakers at UF Jacksonville and Gainesville to share knowledge and enhance collaboration between various disciplines at UF. Dr. Chehade, Dr. Gandhi, Dr. Haas, Dr. Jurado, and Dr. Mooradian were chosen to receive the 2021 University of Florida-College of Medicine's Exemplary Teachers Award.

Research: Strides have been made in making clinical research more attractive to industry and to potential subjects. Under the guidance of Division members, the awards and numbers of subjects have continued to grow. Additional research staff has been added to grow the Division's efforts. The research has involved the use of devices to control diabetic neuropathy, disorders of hypogonadism, surveillance of thyroid cancer and metabolic bone disease. Dr. Joe Chehade is also spearheading a clinical trial in the new Jacksonville Aging Studies Center or JAX-ASCENT. This site will serve as a hub for aging research in the Northeast Florida/Southeast Georgia area. The basic science research lab, under the direction of Dr. Michael Haas, continues to be a place of learning and scholarly activity. Investigations regarding the effects of multiple hormones on the expression of the most important protein in the high density lipoprotein (HDL) particle, Apo AI, and the involvement of endoplasmic reticulum (ER) stress and oxidative stress in coronary artery disease continue to reveal critical insights. Due to the COVID 19 pandemic, the basic science lab was closed temporarily, but work continued in scholarly activity.

Service: Leading the charge for better inpatient diabetes care, the Division's Dr. Gandhi chairs the Diabetes Steering Committee. This multidisciplinary body comes together to discuss common issues in glucose control. Strategies to improve outcomes are discussed and implemented. Dr. Chehade served in the patient satisfaction committee on the ambulatory side.

Philanthropy: The Division members have been the recipients of many gifts. In the spirit of giving back, the members have contributed their time, effort and resources to the underserved and to children in Jacksonville, as well as overseas.

LISTING OF FACULTY MEMBERS

**Joe Chehade, M.D., Professor**

Medical School
Internship/residency
Subspecialty training

St. Joseph University School of Medicine, Beirut-Lebanon
Staten Island University Hospital
Saint Louis University School of Medicine

**Gunjan Gandhi, M.D., MSc, Associate Professor**

Medical School
Internship/residency
Subspecialty training
Post-Graduate Training

Maharaja Sayajirao University, Baroda India
University of Illinois College of Medicine
Mayo Clinic, Rochester
Mayo Clinic, Rochester – Masters in Biomedical Research

**Michael Haas, Ph.D., Research Associate Professor**

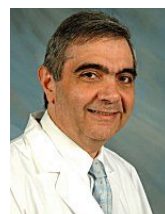
Graduate School
Post-Graduate Training

University of Nebraska Medical Center

**Marilu M. Jurado Flores, M.D., Assistant Professor**

Medical School
Internship/residency
Subspecialty training

Catholic University of Santiago De Guayaquil, Guayas Ecuador
University of Miami Hospital and Clinics
University of Florida College of Medicine-Jacksonville

**Arshag D. Mooradian, M.D., Professor and Chair, Department of Medicine**

Medical School
Internship/residency
Subspecialty training

American University of Beirut
American University of Beirut
University of Minnesota

**Leena Shahla, M.D., Assistant Professor**

Medical School
Internship/residency
Subspecialty training

Al-Baath University, Homs Syria
New York Medical College
University of Massachusetts Medical School

**Kent Wehmeier, M.D., Professor and Division Chief**

Medical School
Internship/residency
Subspecialty training

University of Missouri-Columbia
Barnes-Jewish Hospital, Washington University
Saint Louis University School of Medicine

PUBLICATIONS

Fung R, Fasen M, Kapadia P, Richter A, Warda F, **Gandhi GY**. Meeting the Needs of the Internal Medicine trainee during their Endocrinology Subspecialty Rotation: Development and Implementation of a Structured Curriculum. *Endocrine Practice*. Volume 27, Issue 6, Supplement, Pages S191-192. 2021 Jun 1. <https://doi.org/10.1016/j.eprac.2021.04.872>.

Richter A, **Gandhi GY**. Rapidly Enlarging Neck Mass Progressing to Acute Respiratory Failure and Death: A Case of Anaplastic Thyroid Carcinoma. *Endocrine Practice*. Volume 27, Issue 6, Supplement, Pages S146. 2021 Jun 1. <https://doi.org/10.1016/j.eprac.2021.04.777>.

Rivero A, Fasen M, **Gandhi GY**. Acute, Rapid-onset, Severe and Protracted Denosumab-Induced Hypocalcemia in a Patient with Intact Kidney Function, Skeletal Metastasis and High Bone Turnover. *Endocrine Practice*. Volume 27, Issue 6, Supplement, Page S104. 2021 Jun 1. <https://doi.org/10.1016/j.eprac.2021.04.689>.

Fung R, Fasen M, Warda F, Natter P, Nedrud S, Fernandes R, Alkhasawneh A, **Gandhi GY**. Clavicular Metastasis as an Initial Presentation of Papillary Thyroid Cancer. *Journal of the Endocrine Society*, Volume 5, Issue Supplement 1, April-May 2021, Pages A885-886.

Warda F, Soule E, Gopireddy D, **Gandhi GY**. Acute Unilateral Nonhemorrhagic Adrenal Infarction in Pregnancy. *Journal of the Endocrine Society*, Volume 5, Issue Supplement 1, April-May 2021, Pages A107-108.

Warda F, Soule E, Gopireddy D, **Gandhi GY**. Acute Unilateral Nonhemorrhagic Adrenal Infarction in Pregnancy. *AACE Clinical Case Reports*. Published: January 12, 2021. <https://doi.org/10.1016/j.aace.2020.12.015>.

Mooradian AD, Haas MJ. Reduced cellular glucose transport confers natural protection against dextrose-induced superoxide generation and endoplasmic reticulum stress in domestic hen. *Physiol Rep*. 2021; 9:e14816. <https://doi.org/10.14814/phy2.14816>.

Alexandraki I, Rosasco R, **Mooradian A**. Evaluation of faculty development programs for clinician educators: A scoping review. *Academic Medicine* (in press) 2021.

Gonzales K, Feng V, Bikkina P, Landicho AM, Onstead-Haas L, **Haas MJ, Mooradian AD**. The effect of nicotine and dextrose on endoplasmic reticulum stress and apoptosis in human coronary artery endothelial cells. *Toxicology Research Journal* 2021; 10:325-333.

Franchi F, Yaranov DM, Rollini F, Rivas A, Rivas J, Been L, Tani Y, Tokuda M, Iida T, Hayashi N, Angiolillo DJ, **Mooradian AD**. Effects of D-allulose on glucose tolerance and insulin response to a standard oral sucrose load: results of a prospective: Randomized, crossover study. *BMJ Open Diabetes Research & Care* (2021) in press.

Gandhi GY. Commentary "In type 2 diabetes, some glucose-lowering drugs reduce HbA1c more than others; drugs do not differ for mortality." *Ann Intern Med*. 2020 Nov 17;173(10):JC53. doi: 10.7326/ACPJ202011170-053. Comment on Tsapas A, Avgerinos I, Karagiannis T, et al. Comparative effectiveness of glucose-lowering drugs for type 2 diabetes: a systematic review and network meta-analysis. *Ann Intern Med*. 2020;173:278-86. 32598218.

Ghezzi P, **Mooradian AD**. Demystifying oxidative stress. *Handb Exp Pharmacol*. 2020 Aug 8. doi: 10.1007/164_2020_379. Online ahead of print. PMID: 32767143.

Parekh S, Kalidas P, Fung RK, Morales Hernandez M, Santhoshi R, **Gandhi GY**. Pituitary Metastasis: A Systematic Review. *Journal of the Endocrine Society*, Volume 4, Issue Supplement_1, April-May 2020, MON-289.

Feghaly JM, **Mooradian AD**. The rise and fall "ing" of the HDL hypothesis. *Drugs* 80:353-362, 2020.

Gandhi GY, Fung R, Natter PE, Makary R, Balaji KC. Symptomatic Pituitary Metastasis as Initial Manifestation of Renal Cell Carcinoma: Case Report and Review of Literature. *Case Reports in Endocrinology* 2020:8883864. doi: 10.1155/2020/8883864. Ecollection 2020.

Haas MJ, Jurado-Flores M, Hammoud R, Feng V, Gonzales K, Onstead-Haas L, **Mooradian AD**. Inhibition of pro-inflammatory cytokine secretion by select antioxidants in human coronary artery endothelial cells. *International Journal for Vitamin and Nutrition Research*. 90:103-112, 2020.

Haas MJ, Feng V, Gonzales K, Onstead-Haas L, **Mooradian AD**. High-throughput analysis identifying drugs that reduce oxidative and ER stress in human coronary artery endothelial cells. *European Journal of Pharmacology* 879:173119, 2020.

Mooradian AD, **Haas MJ**, Onstead-Haas L, Tani Y, Iida T, Tokuda M. Naturally occurring rare sugars are free radical scavengers and can ameliorate endoplasmic reticulum stress. *International Journal for Vitamin and Nutrition Research Int J Vitam Nutr Res.* 90(3-4):210-220, 2020.

Mooradian AD, **Stone R**, Palacio C, Stewart E. Collaborative care plans reduce subspecialty consults: The experience from a safety net hospital. *The American Journal of Managed Care* 26:177-180, 2020.

Haas MJ, **Jurado-Flores M**, Hammoud R, Feng V, Gonzales K, Onstead-Haas L, **Mooradian AD**. Inhibition of pro-inflammatory cytokine secretion by select antioxidants in human coronary artery endothelial cells. *International Journal for Vitamin and Nutrition Research.* 90:103-112, 2020.

Haas MJ, Feng V, Gonzales K, Onstead-Haas L, **Mooradian AD**. High-throughput analysis identifying drugs that reduce oxidative and ER stress in human coronary artery endothelial cells. *European Journal of Pharmacology* 879:173119, 2020.

Mooradian AD. The merits and the pitfalls of low carbohydrate diet: A concise review. *The Journal of Nutrition, Health & Aging* 24:805-808. 2020.

Abstracts/Presentations:

Rivero A, Fasn M, **Gandhi GY**. Acute, Rapid-onset, Severe and Protracted Denosumab-Induced Hypocalcemia in a Patient with Intact Kidney Function, Skeletal Metastasis and High Bone Turnover. Abstract accepted to be published in supplement to *Endocrine Practice*, American Association of Clinical Endocrinologists Annual Meeting, May 2021.

Richter A, **Gandhi GY**. Rapidly Enlarging Neck Mass Progressing to Acute Respiratory Failure and Death: A Case of Anaplastic Thyroid Carcinoma. Virtual poster presentation, American Association of Clinical Endocrinologists Annual Meeting, May 2021.

Fung R, Fasn M, Kapadia P, Richter A, Warda F, **Gandhi GY**. Meeting the Needs of the Internal Medicine Trainee During Their Endocrinology Subspecialty Rotation: Development and Implementation of a Structured Curriculum. Virtual poster presentation, American Association of Clinical Endocrinologists Annual Meeting, May 2021.

Fung RK, **Jurado-Flores MM**. Hypocalcemia in Setting of Malignancy of Unknown Origin: A Case Report. Virtual poster presentation, Endocrine Society Annual Meeting, March 2021.

Warda F, Soule E, Gopireddy D, **Gandhi GY**. Acute Unilateral Nonhemorrhagic Adrenal Infarction in Pregnancy. Virtual Poster Presentation, Endocrine Society Annual Meeting, March 2021.

Fung R, Fasn M, Warda F, Natter P, Nedrud S, Fernandes R, Alkhasawneh A, **Gandhi GY**. Clavicular Metastasis as an Initial Presentation of Papillary Thyroid Cancer. Virtual poster presentation, Endocrine Society Annual Meeting, March 2021.

CLINICAL ACTIVITIES

	AY 20/21
Inpatient Activity	
Initial Inpatient Encounters	672
Outpatient Activity	
Clinic Visits	10,955
Thyroid Biopsies	242

GRANTS AND CONTRACTS

Principal Investigator	Study Title	Project Period	Sponsor	Award Amount
Wehmeier, K	A Phase 2b, Multicenter, Multinational, Double-blind, Dose-finding Study, incorporating an open label sub-study, in Adult Patients with Type I, III or IV Osteogenesis Imperfecta Treated with setrusumab (BPS804)	05/2017 - 12/2021	Mereo	\$32,591.97
Cehade, C	A Phase III, Double-blind, Randomized, Placebo-Controlled, Multi-center Study To Assess The Safety and Efficacy of VM202 in Subjects with Painful Diabetic Peripheral Neuropathy	11/2016 -12/2019	Viromed	\$178,696
Cehade, C	Testosterone Replacement therapy for Assessment of long-term Vascular Events and efficacy ResponSE in hypogonadal men (TRAVERSE) Study	08/2018 - 08/2023	AbbVie	\$484,455.00
Cehade, C	A Randomized, Double-blind, Placebo-controlled, Parallel-group, Multicenter Study to Demonstrate the Effects of Sotagliflozin on Cardiovascular and Renal Events in Patients with Type 2 Diabetes, Cardiovascular Risk Factors and Moderately Impaired Renal Function	04/2018 - 04/2022	Sanofi	\$44,558.14

DIVISION OF GASTROENTEROLOGY
ACADEMIC YEAR 2021 (7/20 – 6/21)

Highlights

Gastroenterology Division has built an inter-disciplinary team of faculty, advanced practitioners and nurses. Our faculty members were Dr. James Scolapio, Dr. Faisal Bukeirat, Dr. Ron Schey, Dr. Bruno Ribeiro, Dr. Neha Agrawal, Dr. Robert Bass, Dr. Paul Sievert and Dr. Peter Ghali. The allied health professionals included Victor (Pat) Nasrallah, Rhonda Broughton, Mei Lyn Lamar, as well as our nurse William Ecker. Our Division responded well to challenging clinical environments due to the pandemic. Working closely with our surgical colleagues, we continue to have one of the premier upper GI tract disease centers in the state. Our endoscopic ultrasound activity continues to lead the way with diagnostic tools such as EndoFLIP and Digitrapper, which have made us a referral destination for a wide catchment area. Our hepatology program started liver transplant patients in anticipation of full time liver transplant clinic. Our Fellowship program remains strong and is academically productive. We would like to thank every team member for going the extra mile to take care of our patients and each other.

Patient care: The patient care aspect of our academic mission is pursued at the following locations: UF Health North with general GI clinics and endoscopy, Emerson campus, where we provide general gastroenterology, inflammatory bowel disease, and hepatology services, Towers clinic with general gastroenterology and hepatology clinics, UF Beaches with general gastroenterology clinic. Endoscopy is performed at three clinical sites: UF Health Downtown, UF Health North, and Jacksonville Beach Surgery Center. Inpatient consult services are provided at UF Health Downtown as well as UF Health North. Our mission is to have timely patient access to top quality patient care with specific attention to reduced patient wait times and increased access to high-quality gastroenterology and hepatology services in any of our locations.

Education: Dr. Ghali, as the Program Director of our fellowship-training program, has maintained a high quality of trainees' satisfaction based on the 2020-2021 ACGME survey. The overall evaluation of the program was rated at 100% very positive, which is above the national average. The gastroenterology faculty that participated in the ACGME survey gave the program an overall, 100%, rating of very positive. Our fellows' board pass rate has consistently been 100% for fellows that have taken the exam. Our priority remains recruiting gastroenterology fellows with a proven track record of clinical research as well as commitment to superb patient care, interpersonal skills and professionalism. We continue to be very active at the Jacksonville Gut Club quarterly meetings. This educational venue is very important to our division's presence in the community. We have reacted to the COVID-19 pandemic. We discussed the challenges with each other, with our fellows, and with our staff, and we are all involved in improving the processes to promote physician well-being.

Research: All faculty members have been productive in scholarly activities over the past academic year. The Division produced twenty-five peer-reviewed published manuscripts, six abstract presentations, and four book chapters. The GI faculty have given multiple presentations at local, regional, national, and international meetings. The Division now has eleven funded research protocols and was able to generate over \$600,000 in grants last year.

LISTING OF FACULTY MEMBERS



Neha Agrawal, M.D., Assistant Professor

Medical School
Internship/residency
Internship/residency
Subspecialty training

Motilal Nehru Medical College, Allahabad University,
Allahabad, India
John H. Stroger, Jr. Hospital, Chicago, IL
University of Illinois College of Medicine, Urbana, IL
Temple University Hospital, Philadelphia, PA



Robert Bass, M.D., Assistant Professor

Medical School
Internship/residency
Subspecialty training

Medical College of Georgia, Augusta, GA
University of South Alabama, Mobile, AL
University of Florida – Jacksonville



Faisal Bukeirat, M.D., Associate Professor

Medical School
Internship/residency
Subspecialty training

University of Jordan, Amman, Jordan
New York Medical College, Bronx NY
Albany Medical College, Albany NY



Peter Ghali, M.D., Professor and Division Chief, Gastroenterology

Medical School
Internship/residency
Subspecialty training
Subspecialty training

McGill University, Montreal, Canada
McGill University, Montreal, Canada
McGill University, Montreal, Canada
Mayo Graduate School of Medicine – Rochester, MN



Ron Schey, M.D., Professor

Medical School
Internship/residency
Subspecialty training

Sackler School of Medicine, Tel-Aviv University, Israel
Meir Medical Center, Kfar Saba, Israel
Wolfson Medical Center, Holon, Israel



Bruno De Souza Ribeiro, M.D., Assistant Professor

Medical School
Internship/residency
Subspecialty training
Subspecialty training

Santa Casa de Sao Paulo, Brazil
Federal University of Sao Paulo, Brazil
Sirio Libanes Hospital, Sao Paulo, Brazil
California Pacific Medical Center, San Francisco, CA



James Scolapio, M.D., Professor and Associate Chair

Medical School
Internship/residency
Subspecialty training

Marshall University School of Medicine, Huntington, WV
Mayo Graduate School of Medicine – Rochester, MN
Mayo Graduate School of Medicine – Rochester, MN



Paul Sievert, M.D., Assistant Professor

Medical School
Internship/residency
Subspecialty training

University of Miami
Medical College of Virginia
University of Florida – Jacksonville

PUBLICATIONS

- Gotfried J, Naftali T, **Schey R**. Role of Cannabis and Its Derivatives in Gastrointestinal and Hepatic Disease. *Gastroenterology*. 2020 Jul;159(1):62-80. doi: 10.1053/j.gastro.2020.03.087. Epub 2020 Apr 22.
- Vachhani H, **Ribeiro BS, Schey R**. Rumination Syndrome: Recognition and Treatment. *Curr Treat Options Gastroenterol*. 2020 Jan 20. doi: 10.1007/s11938-020-00272-4. Online ahead of print.
- Schey R**. Cannabinoid hyperemesis syndrome: the conundrum is here to stay. *J Investig Med*. 2020 Dec;68(8):1303-1304. doi: 10.1136/jim-2020-001669. Epub 2020 Oct 28.
- Reichenbach ZW, Stanek S, Patel S, Ward SJ, Malik Z, Parkman HP, **Schey R**. Botulinum Toxin A Improves Symptoms of Gastroparesis. *Dig Dis Sci*. 2020 May;65(5):1396-1404. doi: 10.1007/s10620-019-05885-z. Epub 2019 Oct 15.
- Nassri R, Nassri A, Alkhasawneh A, **de Souza Ribeiro B, Schey R**. Colonic Mantle Cell Lymphoma with Multiple Lymphomatous Polyposis. *GE Port J Gastroenterol*. 2020 Jul;27(4):296-298. doi: 10.1159/000505033. Epub 2020 Jan 2.
- Stemboroski L, **Schey R**. Treating Chronic Abdominal Pain in Patients with Chronic Abdominal Pain and/or Irritable Bowel Syndrome. *Gastroenterol Clin North Am*. 2020 Sep;49(3):607-621. doi: 10.1016/j.gtc.2020.05.001. Epub 2020 Jun 16.
- Lis S, Vachhani H, Tanner S, Leopold A, Zitomer S, Bhuta R, **Schey R**, Malik Z, P Parkman H. Vascular pressure bands on high-resolution esophageal manometry with impedance studies. *Dis Esophagus*. 2020 Mar 16;33(3):doz093. doi: 10.1093/dote/doz093.
- Parkman HP, Sharkey E, McCallum RW, Hasler WL, Koch KL, Sarosiek I, Abell TL, Kuo B, Shulman RJ, Grover M, Farrugia G, **Schey R**, Tonascia J, Hamilton F, Pasricha PJ; NIH/NIDDK Gastroparesis Consortium. Constipation in Patients With Symptoms of Gastroparesis: Analysis of Symptoms and Gastrointestinal Transit. *Clin Gastroenterol Hepatol*. 2020 Oct 28:S1542-3565(20)31503-2. doi: 10.1016/j.cgh.2020.10.045.
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Ali A A, Oye M, Streit S Foldy S, Reddy P, Aung W, **Schey R.** A Bleeding GIST Managed With Octreotide, *The American Journal of Gastroenterology*: October 2020 Volume 115 - p S1169.

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Ghali MP, Norez D, Zori A, **Agrawal N**, Wadei H, Cabrera R.: Simultaneous Listing for Liver and Kidney Transplant is Disadvantageous compared to liver alone. *Hepatology* 72(1Suppl):39A (Oral presentation).

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Scolapio J., Short Bowel Syndrome. Fort Walton Beach Medical Center, January 2021 (Oral presentation).

Scolapio J., Tube Feeding Management. Cape Canaveral Hospital, November 2020 (Oral presentation).

Book Chapters and Monographs:

Ribeiro B., El-Messidi A., **Ghali MP.**: Biliary diseases in pregnancy. – in press, *OSCEs in Obstetrics & Maternal-Fetal Medicine: An Evidence-Based Approach*, 2021. Cambridge University Press.

Agrawal N., El-Messidi A., **Ghali MP.**: Pregnancy after liver transplantation. – in press, OSCEs in Obstetrics & Maternal-Fetal Medicine: An Evidence-Based Approach, 2021. Cambridge University Press.

El-Messidi A. and **Ghali MP.**: Hepatitis B and Hepatitis C in pregnancy. – in press, OSCEs in Obstetrics & Maternal-Fetal Medicine: An Evidence-Based Approach, 2021. Cambridge University Press.

de Souza Ribeiro B., Rolim Teixeira C., Andrey Ferreira Bicalho L., V Bicalho F Assis R., Saénz R., Mendelsohn R., Endoscopic Surveillance of Colorectal Cancer in Lynch Syndrome. Cancer Gastrointestinal Hereditario, 1 edition, Book Chapter, Sociedade Interamericana de Endoscopia Digestiva (SIED), 2021.

CLINICAL ACTIVITIES

Inpatient Activity	AY 20/21
Initial IP Encounters	1,524
UF Health Jacksonville Inpatient Procedures	950
Baptist Beaches Inpatient Procedures	19
UF North Inpatient Procedures	324
Outpatient Activity	
Clinic Visits	13,383
UF Health Jacksonville Outpatient Procedures	3,534
Baptist Beaches Outpatient Procedures	651
Jacksonville Beach Surgery Center Outpatient Procedures	602
Jacksonville Surgery Center	1,064
UF North Outpatient Procedures	3,184

CONTRACTS AND GRANTS

Local Principal Investigator	Study Title	Sponsor	Project Period	Total Award
Peter Ghali	TARGET-NASH - A 5-year Longitudinal Observational Study of Patients with Nonalcoholic Fatty Liver Disease or Nonalcoholic Steatohepatitis	Target PharmaSolutions, Inc.	1/8/2017 - present	\$85,717
Peter Ghali	TARGET HCC - A 5-year Longitudinal Observational Study of the Natural History and Management of Patients with Hepatocellular Carcinoma -	Target PharmaSolutions, Inc.	1/3/2017 - present	\$12,704
Peter Ghali	TARGET IBD - A 5-year Longitudinal Observational Study of Patients Undergoing Therapy for Inflammatory Bowel Disease	Target PharmaSolutions, Inc.	10/03/2017 - present	\$49,261
Peter Ghali	REGENERATE - A Phase 3, Double-Blind, Randomized, Long-Term, Placebo-Controlled, Multicenter Study Evaluating the Safety and Efficacy of Obeticholic Acid in Subjects with Nonalcoholic Steatohepatitis (NASH)	Intercept Pharmaceuticals, Inc.	12/14/2016 - present	\$256,179
Peter Ghali	REVERSE -A Phase 3, Double-Blind, Randomized, Placebo-Controlled, Multicenter Study to Evaluate the Efficacy and Safety of Obeticholic Acid in Subjects with Compensated Cirrhosis due to Nonalcoholic Steatohepatitis	Intercept Pharmaceuticals, Inc.	7/19/18 - present	\$108,294
Ron Schey	Pizzicato - A Phase 2A, Double-blind, Randomized, Placebo-Controlled, Parallel Group Study To Evaluate the Efficacy and Safety of Oral PF-06651600 and PF-06700841 as Induction and Open Label Extension Treatment in Subjects with Moderate to Severe Crohn's Disease	Pfizer, Inc	9/13/2019 - present	\$12,576
Peter Ghali	American Cancer Society Change Program: Colorectal Cancer Screening Compliance	American Cancer Society	3/25/2021 - present	\$45,000
Peter Ghali	American Cancer Society Change Program: Colorectal Cancer Screening Compliance	American Cancer Society	3/25/2021 - present	\$5,000

Peter Ghali	CULTIVATE- A Phase 2b, Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study to Assess the Efficacy and Safety of Oral Etrasimod as Induction Therapy in Subjects with Moderately to Severely Active Crohn's Disease	Arena Pharmaceuticals, Inc.	6/11/2020 -present	\$8,322
Peter Ghali	LATTICE- A Phase 2 Randomized, Double-Blind, Placebo-Controlled Study of the Safety and Efficacy of BMS-986165 in Subjects with Moderate-to-Severe Crohn's Disease	Bristol Myers Squibb	10/08/2020 - present	\$9,000
Peter Ghali	ECIR- East Coast Institute for Research Fee for Service Agreement	East Coast Institute for Research	2/12/2020 - present	\$1,071
Ron Schey	QUASAR- A Phase 2b/3, Randomized, Double-blind, Placebo-controlled, Parallel-group, Multicenter Protocol to Evaluate the Efficacy and Safety of Guselkumab in Participants with Moderately to Severely Active Ulcerative Colitis	Janssen Research and Development	10/01/2020 - present	\$16,450

DIVISION OF GENERAL INTERNAL MEDICINE
ACADEMIC YEAR 2021 (7/20- 6/21)

Highlights

The Division continues a robust inpatient and outpatient practice and is an integral part of the educational experience for the Internal Medicine residency. The Division is looking for new opportunities for clinical and educational platforms.

Patient Care: The Division of General Internal Medicine is comprised of 19 members, including the two chief medical residents and two PhDs. All full time clinical faculty are certified by the American Board of Internal Medicine. The clinical care provided by members of the Division include the provision of inpatient care as the attending for the four inpatient teaching services and an inpatient Internal Medicine consultation service, including medical evaluation of patients admitted to the inpatient Psychiatry service. Win Aung, who oversees the medicine consultation service, is also trained in bedside ultrasound guided procedures. The procedural service is available to other departments to ensure the provision of safe care.

The group has a busy outpatient practice offering services at three locations: the Ambulatory Care Center (ACC) at UF Health Jacksonville, the UF Internal Medicine Clinic at Emerson Multispecialty Clinic and the General Internal Medicine Clinic at UF Health North. Based on patient satisfaction, the physicians in the group are considered excellent clinicians. In addition, the outpatient primary care practices are certified as NCQA Level 3 Patient Centered Medical Homes. Our outpatient practices offer two unique clinical initiatives. The *PAIDD* (Program for Adults with Intellectual and Developmental Disability) clinic established in 2013 provides primary care services and care coordination to adults with special needs who are unable to manage their health independently. *PAIDD* providers, Drs. Edwards and Jacob, provide care to almost 200 adults with intellectual and developmental disabilities. RN care coordination of these patients has been supported by a grant from the Jess Ball DuPont Foundation.

Our four inpatient teaching services are supervised by two teaching hospitalists, Drs. Aung and Reddy and other members of the Division of General Internal Medicine. The four teaching services provide an excellent educational experience for the internal medicine residents as well as residents from anesthesiology, psychiatry and preliminary residents in neurology. Medical students from the University of Florida College of Medicine and other non-UF medical schools have an opportunity to work alongside an excellent group of teaching faculty and residents. As part of the inpatient units and consultation service, residents and medical students learn the use of bedside ultrasound to assist in diagnosis and in performance of procedures. Dr. Aung has prepared a comprehensive curriculum using simulation training to assess their skills and pre- and post-tests to assess their knowledge. The Division continued to work through the challenges of the COVID-19 pandemic. Surge teams were called upon on more than one occasion to help meet the increased patient care demands.

The Division has two faculty members with training in hospice and palliative care: Dr. Ravindra Maharaj and Dr. Win Aung. Dr. Maharaj also holds a certificate of added qualifications in Geriatrics. Along with a growing outpatient Geriatric practice and palliative care practice, Dr. Maharaj offers hospice and palliative care services to our hospitalized patients and he oversees the education of our trainees on the role of palliative care and hospice in the care of patients. During the pandemic, these services have been critical as physicians, patients and families made difficult decisions.

Education: As noted above, resident and student education are woven into the Division's practice. The GIM faculty provide supervision of residents on the four general internal medicine inpatient teaching services, the inpatient medicine consultation and procedural service and geriatrics, hospice and palliative care. In addition, the members of the Division provide faculty supervision and mentoring of all categorical medicine residents in their outpatient continuity practice and urgent care clinics. Members of the division

participate in morning report, morbidity and mortality conferences and present at the noon conference core curriculum series held daily, as well as a Friday afternoon board review.

Dr. Jeff House serves as Program Director for the Internal Medicine Residency Program and Drs. Elisa Sottile and Carlos Palacio are the Associate Program Directors for the training program. The GME leadership mentors residents in their scholarly work and each year, the number of posters, abstracts, presentations and manuscripts increase. Dr. House has developed a unique rotational and curricular experience for the PGY2 residents that immerse them in quality and safety. This educational experience is well received by the residents and has resulted in quality improvement projects and scholarly activity. Dr. Sottile also serves as the Clerkship Director for UF medical students who rotate on the Internal Medicine service (inpatient and outpatient).

Dr. Win Aung and the Chief Residents continue to advance the bedside ultrasound curriculum for residents. The program has traditionally been strong in teaching ultrasound assisted procedures, but has significantly increased the experience in bedside point of care US (POCUS).

Drs. Masri and Sottile serve as peer reviewers for the University of Florida College of Medicine-Jacksonville faculty development program. Drs. Sottile and House also serve as facilitators of the "Residents and Fellows as Teachers"-a 6-8 hour intradepartmental seminar offered each year at the University of Florida College of Medicine-Jacksonville to first year residents and fellows.

The faculty in the Division serve as program directors, speakers and workshop facilitators for the annual Update in Internal Medicine. Although the program was cancelled due to the COVID-19 pandemic in 2019, it was renewed for the FY21 academic year. It is an excellent opportunity for local and regional healthcare providers to obtain CME and learn the most current information on interesting and hot topics.

The Division serves as an integral part of the education program for 3rd and 4th year medical students, as well as physician assistant students, from the University of Florida. Members of the division serve as preceptors for students in both the inpatient setting as well as in our outpatient practice. Student evaluations of their experience are excellent and are reflected in the number of exemplary teacher awards given to faculty within the Division each year.

Quality: Dr. Jeff House coordinates Quality Improvement (QI) for the Department and for the training program. Dr. House is the Associate Chair of Medicine for Quality and Education. He is the Chair of the Medical Performance Improvement Committee (MPIC) and is a member of the Performance Improvement Committee-the institutional body that oversees quality and safety for the UF Health Jacksonville campus. Dr. Jacob serves on MPIC as the GIM representative. The Division has focused on readmissions and patient satisfaction this past year. Due to previous work by QI teams in collaboration with case management, GIM readmission rates have dramatically improved. The Division continues to address timeliness of discharges and throughput, as well as identify opportunities to continue to improve our patient satisfaction. In the outpatient setting, Dr. Palacio coordinates a number of quality improvement projects with the residents to look at access, show rates and whether preventive care and screening guidelines are being met. The use of quality dashboards in EPIC has allowed our practice to improve its cancer screening and immunizations and to reduce care gaps in our patient population. The GME leadership has worked with our EMR team to develop a resident dashboard that will be launched in July. This dashboard will be used as an education tool for residents to review their personal performance on various quality metrics and social determinants of health as well as review their performance compared to their peers in continuity clinics.

Research: Research in the Division varies among the faculty. The development of the bedside ultrasound curriculum and the quality improvement/patient safety block rotation have led to poster presentations and other opportunities for educational scholarship. Many of the faculty mentor residents in their research

projects and have assisted them in preparing and submitting case reports to the American Federation of Medical Research. The Division continues to be productive as demonstrated by the publication list below.

Future Directions: To meet the primary care needs of Jacksonville, we expanded our practice to North Jacksonville and our practice continues to grow there, meeting the needs of this sector of Jacksonville. Our practice at the Southside Multispecialty Clinic also continues to grow and receives referrals from our specialty colleagues who practice at that location as well. The PAIDD clinic for adults with intellectual and developmental disabilities receives referrals from Northeast Florida because of the unique service provided to our special needs population.

The Division, along with our residents will have the opportunity to develop performance improvement initiatives that will lead to improved patient care and safety and result in the preparation of scholarly works. Epic dashboards, particularly for resident performance, are a focus for the upcoming year. When this platform is refined, it will serve as a unique resource for resident feedback on clinical measures, quality improvement projects, and scholarly activities.

Lastly, UF Health Jacksonville continues to move toward a regional campus for medical student education, and with the leadership of Dr. Sottile, the Division of Internal Medicine will be the main driver in this new endeavor.

LISTING OF FACULTY MEMBERS



Win Aung, M.D. Assistant Professor

Medical School
Internship/residency

Institute of Medicine, Myanmar
Lutheran Medical Center



Lori A. Bilello, Ph.D., M.B.A., M.H.S., Assistant Professor

PhD Health Services Research
Master of Business Administration
Master of Health Science

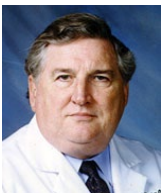
University of Florida
University of Florida
University of Florida



Linda Edwards, M.D., Associate Professor, Associate Chair and Division Chief

Medical School
Internship/residency

East Carolina University
Jacksonville Health Education Programs



Malcolm Foster, M.D., Professor Emeritus

Medical School
Internship/residency
Subspecialty training

Bowman Gray School of Medicine
University of Florida, Gainesville
University of Florida, Gainesville (Infectious Disease)

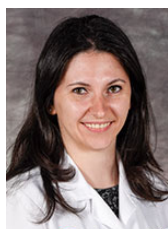
**Shiva Gautam, Ph.D., Professor**

PhD Statistics

University of Texas at Dallas

**Maria Gutierrez, M.D., Assistant Professor**Medical School
Internship/residencyRoss University School of Medicine
University of Florida, Jacksonville**Alan Halperin, M.D., Professor**Medical School
Internship/residency

University of Kansas

**Jeffrey House, D.O., Professor and Associate Chair**Medical School
Internship/residencyNova Southeastern College of Osteopathic Medicine
University of Florida – Jacksonville**Carmen Isache, M.D., Associate Professor**Medical School
Internship/residency
Subspecialty trainingGr. T. Popa University of Medicine and Pharmacy
SUNY Downstate Medical Center
University of Florida, Jacksonville (Infectious Disease)**Rafik Jacob, M.D., Assistant Professor**Medical School
Internship/residencyAin Shams University
Rhode Island Hospital/Brown University**Brittany Lyons, D.O., Assistant Professor**Medical School
Internship/residencyPhiladelphia College of Osteopathic Medicine
University of Florida, Jacksonville**Ravindra Maharaj, M.D., Assistant Professor**Medical School
Internship/residency
Subspecialty trainingThe University of the West Indies, Trinidad
University of Florida
University of Miami (Geriatrics)
University of Wisconsin (Hospice and Palliative Medicine)

**Ghania Masri, M.D., Associate Professor**

Medical School
Internship
Residency

Damascus University, Syria
Cleveland Clinic Foundation
Case Western Reserve University

**Carlos Palacio, M.D., M.P.H., Professor**

Medical School
Internship/residency
Post-graduate training

University of Miami
University of Florida, Jacksonville
University of North Florida (MPH, Master of Public Health)

**Pramod Reddy, M.D., Associate Professor**

Medical School
Internship/residency

Sri Dev Raj Urs Medical College, India
Stony Brook University Hospital

**Elisa Sottile, M.D., Assistant Professor**

Medical School
Internship/residency

Temple University School of Medicine
University of Pennsylvania

PUBLICATIONS

Manuscripts:

Kalynych C, Zenni E, **Edwards L**, Snodgrass C, West D. Tuesdays are Great for Teaching Tips: Spaced Education Strategy for Faculty Development Journal of Graduate Medical Education (Accepted for publication Ms. No. JGME-D-20-01249).

Edwards L, Martin FC. Improving Patient Care by Reducing Medical Errors. Duval County Medical Society [Internet]. 2021 Mar 1. Available from: <https://www.dcmsonline.org/CME>.

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Foldy S, Lung J, Streit S, **Sottile E**. EPIGLOTTITIS: NOT JUST FOR KIDS. *Chest*, Vol 158, Issue 4, S2020, Page A565, ISSN 0012-3692. Oct 2020 <https://doi.org/10.1016/j.chest.2020.08.531>.

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Pierre K, Gomez NF, Canha C, **Masri G**, et al. (November 25, 2020) Gout in Pregnancy: A Rare Phenomenon. *Cureus* 12(11): e11697. doi:10.7759/cureus.11697.

Yarabarla V, Mylarapu A, Padilla R, Fasen M, **Reddy P**. Healed Varicella Pneumonia: A Case of Diffuse Pulmonary Microcalcifications. *Cureus* doi: 10.7759/cureus.

Perez-Downes J, Leon A, **Reddy P**. Straight Back Syndrome. *The Journal of the American Osteopathic Association*, July 2020, Vol. 120, 485.

Maaliki N, Ali AA, **Isache CL, Aung W**. Unusual aetiology of respiratory compromise in a patient with AIDS. *BMJ Case Rep*. 2021 Mar 23; 14(3):e240849. doi: 10.1136/bcr-2020-240849. PMID: 33758048; PMCID: PMC7993348.

Piccirro SR, Casapao AM, Claudio AM, **Isache C**, Jankowski CA. Comparison of acute kidney injury in patients prescribed vancomycin in combination with piperacillin-tazobactam or cefepime for diabetic foot infections. *J Investig Med*. 2021 Jan 25; jim-2020-001594. doi: 10.1136/jim-2020-001594. Epub ahead of print. PMID: 33495283.

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Scuderi C, Lourie EM, Webb LK, Haddad C, Patel G, **Bilello L**. Training primary care physicians on EHR use during COVID-19. *Journal of Medical Practice Management* 2021; July/Aug.

Scuderi C, Stewart E, Haddad CJ, Haddad Lacle J, **Bilello L**, Shah N. Practice transformation by telehealth. *Florida Family Physician* 2020; 69(1):10-11.

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Ali AA, Maaliki N, Oye Mo, **Isache CL**. Cryptococcal meningitis presenting with acute hearing loss. *BMJ Case Rep*. 2021 May 4;14(5):e242059. doi: 10.1136/bcr-2021-242059. PMID: 33947677; PMCID: PMC8098921.

Chahin M, Kogler W, Stack A, **Lyons B**. Sister Mary Joseph Nodule in a Patient With Advanced Prostate Cancer. *J Am Osteopath Assoc*. 2020 Jul 1;120(7):476-478. doi: 10.7556/jaoa.2020.075. PMID: 32598461.

Ali AA, Bajric B, Calvert J, **Reddy P**. Febrile neutropenia following infliximab. *Journal of Investigative Medicine*. 2021; 69:416-676.

Oye Me, Gidla D, Paglialonga S, Omar MB, **Reddy P**. Hungry bone syndrome following parathyroidectomy in tertiary hyperparathyroidism. *Journal of Investigative Medicine* 2021;69:416-676.

Gidla D, Pagliolungase S, Oye Me, Omar MB, **Reddy P**. Breaking the habit: resolution of cannabinoid hyperemesis syndrome with haloperidol. *Journal of Investigative Medicine* 2021;69:416-676.

Mathew R, Chahin M, **Isache C**. Neisseria gonorrhoeae: An Unexpected Cause of Polyarthritits and Meningitis. *J Investig Med High Impact Case Rep*. 2021 Jan-Dec;9:23247096211012194. doi: 10.1177/23247096211012194. PMID: 33928799; PMCID: PMC8114289.

Jhaveri H, Nichols DS, Streit S, **Masri G**. An atypical case of varicella-zoster virus (vzv) meningoencephalitis: absent skin findings in an immunocompromised adult. *Journal of Investigative Medicine* 2021;69:416-676.

Presentations:

Isache C. General Overview of COVID-19 Disease and Epidemiology. Invited speaker – 2021 Internal Medicine Update, UFHealth Jacksonville, FL – Zoom conference, April 2021.

Isache C. Diagnosis and Management of Urinary Tract Infections. Invited speaker – 2021 Nephrology Update, UFHealth Jacksonville, FL – Zoom conference, March 2021.

Maharaj R. The agitated elderly patient- minimizing the confusion. Oral presentation via zoom at the UF Internal Medicine Update Conference; UF, Jacksonville FL, April 2021.

Childers D, Hurst K, Nguy M, Rohan D, **Bilello L**. Post-Residency Use of Developmental Test Kits. Poster presentation at the Society for Developmental and Behavioral Pediatrics Annual Meeting, Virtual, October 2020.

Frank M, Conigliaro J, Leung T, **Sottile E**, Sgro G, Rao S. Writing High-Quality Perspectives, Commentary and Opinion Pieces: A pathway for academic success through publication in Forum and other journals. Workshop presentation at: Society of General Internal Medicine, National Annual Meeting; virtual. April 22, 2021.

Bilello L, Livingood WC, Lukens-Bull K, Kaunitz A, Biegner S. Perceptions concerning long acting, reversible contraception among urban minority women. Oral presentation at American Public Health Association Annual Meeting; Virtual, October 2020.

Webb F, **Bilello L**, Jones R, Morga K, Knight A. Association between COVID-19 symptoms and diabetes status among those experiencing homelessness. Oral presentation at the Network of Minority Health Research Investigators (NMRI) 19th Annual Virtual Workshop, Virtual, April 2021.

Poster/Abstract Presentations:

Jhaveri H, Snichols D, Streit S, **Masri G**. MYASTHENIA GRAVIS: A RARE PRESENTATION OF RENAL CELL CARCINOMA IN THE ABSENCE OF UROLOGIC SYMPTOMS Poster presentation at 2021 Southern Regional Meeting February/ 22 /20201.

Foldy S, Lung J, Streit S, **Sottile E**. EPIGLOTTITIS: NOT JUST FOR KIDS. Poster presentation at: Chest Annual Meeting October 18 2020. <https://doi.org/10.1016/j.chest.2020.08.531>.

HONORS AND AWARDS

Jeff House, DO	University of Florida Exemplary Teacher Award 2021
Maria Gutierrez, MD	University of Florida Exemplary Teacher Award 2021
Win Aung, MD	University of Florida Exemplary Teacher Award 2021
Pramod Reddy, MD	University of Florida Exemplary Teacher Award 2021
Carlos Palacio, MD	University of Florida Exemplary Teacher Award 2021
Carmen Isache, MD	University of Florida Exemplary Teacher Award 2021
Brittany Lyons, DO	University of Florida Exemplary Teacher Award 2021
Ghania Masri, MD	University of Florida Exemplary Teacher Award 2021
Elisa Sottile, MD	University of Florida Exemplary Teacher Award 2021

CLINICAL ACTIVITIES

	AY 20/21
Inpatient Activity	
Numbers of Inpatient Admissions	3,990
Outpatient Activity	
Clinic Visits	13,867

CONTRACTS AND GRANTS

Investigator	Study Title	Project Period	Sponsor	Award Amount
Bilello, L (Co-I)	Health-Smart for Weight Loss	1/2018 – 12/2020	PCORI	\$78,000
Bilello, L (Co-I)	Florida Registry for Aging Studies	8/2020- 4/2022	NIH-NIA	\$26,000
Bilello, L (Evaluator)	Jacksonville System of Care Initiative	9/2020- 9/2021	SAMHSA	\$80,000
Bilello, L (Co-I)	Health-Smart Holistic Health	1/2021 – 12/2021	Humana Foundation	\$8,700
Bilello, L (PI)	Patient Centered Research Collaborative	1/2021- 12/2022	PCORI	\$123,272
Bilello, L (Evaluator)	Mitigating Injustice in the Justice System	4/2021- 3/2022	Robert Wood Johnson Foundation	\$5,000
Edwards, L (Co-PI)	Evaluate, Develop, and Implement Medication Safety Measures Using Medication Error Claim Reporting Systems and Medical Records	2016 - Present	Martin A. Smith Patient Safety and Quality Award	\$18,700
Gautam, S (Co-I)	Health-Smart for Weight Loss	10/2017 – 9/2020	PCORI Health	\$2.9M
Gautam, S (Co-I)	JAX-ASCENT	9/15/2017- 5/31/2022	NIH	\$3.7M

Title	Recipient	Amount
Hanson Professorship	Linda Edwards, M.D.	12,000.00

DIVISION OF HEMATOLOGY AND MEDICAL ONCOLOGY
ACADEMIC YEAR 2021 (7/20 – 6/21)

Highlights

Despite the challenges presented by the pandemic, the Division of Hematology and Medical Oncology produced notable clinical and academic achievements during this past year. The division provides inpatient clinical consultation in hematology and medical oncology, an expanding outpatient presence in both disciplines as well, and maintains a thriving ACGME accredited fellowship training program. Under the leadership of the new division chief; W JR Quan, the division established a hematologic malignancy service, adding a dedicated, specialized Registered Nurse coordinator, doubled the number of patients with acute leukemia treated at our facility, established a multi-modality hematologic malignancy conference that is acclaimed for its fellow teaching, and received its largest grant to date to support the development of a non-malignant blood disorder program. The division welcomed our newest faculty member Dr. Gharia who plays a vital role in clinical care and teaching. His hiring marks our division's expansion along disease-oriented specialization. The fellowship program matched two outstanding incoming fellows and celebrated the graduation of two excellent fellows. Dr. Zuberi received a University Of Florida College Of Medicine's Exemplary Teachers Award for outstanding teaching.

Patient care: Our division continues to increase access to our inpatient and subspecialty experts in evaluation and treatment of hematologic malignancies. We provide both outpatient and inpatient consultative services for hematology and oncology at the downtown campus, which is also the location of the only sickle cell clinic in Jacksonville, Florida. Patient care is readily convenient at UF Health Jacksonville campus and UF Health North campus. To provide the best quality of patient care, collaboration with multiple specialties through mechanisms including multi-disciplinary tumor conferences are ongoing. Our division has added a palliative care outpatient clinic twice per week that emphasizes alleviation of cancer-related pain and other symptoms. Our faculty members collaborate closely with the Proton Therapy Institute and the Departments of Surgery and Gynecologic Oncology. Faculty actively educate patients in-person, via telemedicine, and through patient education sheet facts distributed by disease diagnosis.

Education: The prior long-standing medical oncology fellowship has transitioned to and become accredited by the ACGME as a three-year combined hematology/oncology fellowship leading to dual board eligibility. The didactic curriculum has expanded to include Hematology core lectures, hematology-based clinical rotations, and fellow-oriented reviews for the in-service training exam.

Our faculty offers a consult experience in hematology and oncology to residents at all training levels. Faculty development sessions including those on small group teaching, teaching under time constraints, and diversity/inclusion contribute to the educational growth of our division.

The division continues to support the Internal Medicine Residency Program through didactic involvement in the Internal Medicine resident's noon conference, and the Department of Medicine Grand Rounds. The hematology oncology fellowship has rotations at Mayo Clinic Jacksonville (Stem Cell Transplant, benign hematology). Fellows are active participants in a weekly lecture series which encourages and develops teaching skill.

Research: The Division of Hematology and Medical Oncology has reached agreement to allow for its two initial externally-supported clinical drug trials using new agents in Essential Thrombocytosis and Acute Myeloid Leukemia. The premiere of our investigator-initiated trials is anticipated in the upcoming academic year. Our division continues to provide academic support to residents through mentorship in research projects and publications. At the conclusion of the academic year the division received its largest grant to date to support the development of a non-malignant blood disorder program.

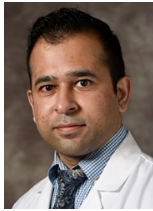
LISTING OF FACULTY MEMBERS



W JR Quan, M.D., Professor and Division Chief

Medical School
Internship/residency
Subspecialty training

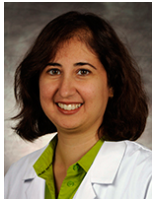
Ohio State University College of Medicine, Columbus
Medical College of Ohio, Toledo
Medical College of Ohio, Toledo/University of Southern
California



Bharatsinh Gharia, M.D., Assistant Professor

Medical School
Internship/residency
Subspecialty training

Smt. N.H.L. Municipal Medical College, India
Jersey City Medical Center, Jersey City, NJ
University of Florida College of Medicine-Jacksonville



Lara Zuberi, M.D., Associate Professor

Medical School
Internship/residency
Subspecialty training

Aga Khan University, Pakistan
Henry Ford Hospital
Henry Ford Hospital

PUBLICATIONS

Chhatrala H, Ghetiya S, Chahin M, Zuberi L, Quan W. Amiodarone-Induced Immune Thrombocytopenia: A Rare Hematologic Side Effect of a Common Cardiac Drug. *Cureus*. 2021 Mar 3;13(3):e13671. doi: 10.7759/cureus.13671. PMID: 33824822.

Quan W, Kadakia M, Gutierrez LI, Quan FM: Bendamustine (B) + Methylprednisolone (MP) and Peg-filgastrim (F) in Indolent Lymphoma. *J Clin Oncol* 38, 2020 (suppl; abstr e20069).

Mailhot R, Patel S, Holtzman A, Lockney N, Lynch J, Slayton W, Liang X, Quan W, Hoppe B, Mendenhall N: Identifying mean heart dose thresholds for proton therapy acceptability in mediastinal unfavorable early-stage Hodgkin Disease. *Int J Radiat Oncol Biol Phys* 108:3 e401-402, 2020.

Chahin M, Krishnan N, Matthews-Hew T, Hew J, Pham D. *Cureus*. Metastatic Anaplastic Lymphoma Kinase Rearrangement-Positive Adenocarcinoma of Occult Primary Mimicking Ovarian Cancer. 2020 Jul 28; 12(7):e9437. PMID: 3286426.

Kharod SM, Nichols RC, Henderson RH, Morris CG, Pham DC, Seeram VK, Jones LM, Antonio-Miranda M, Huh S, Li Z, Hoppe BS. Image-guided hypofractionated double-scattering proton therapy in the management of centrally-located early-stage non-small cell lung cancer. *Acta Oncol*. 2020 Oct;59(10):1164-1170. Epub 2020 May 12. PMID: 3239477.

Chahin M, Chhatrala H, Krishnan N, Brow D, Zuberi L. Triple-Negative Lobular Breast Cancer Causing Hydronephrosis. *J Investig Med High Impact Case Rep*. 2020 Jan-Dec; 8:2324709620905954. PMID: 32043897.

Hoppe BS, Nichols RC, Flampouri S, Li Z, Morris CG, Pham DC, Mohindra P, Hartsell W, Mohammed N, Chon BH, Simone CB 2nd. Hypofractionated proton therapy with concurrent chemotherapy for locally advanced non-small cell lung cancer: A Phase I trial from the University of Florida and Proton Collaborative Group. *Int J Radiat Oncol Biol Phys*. 2020 Apr 3. pii: S0360-3016(20)30938-X. PMID: 32251754.

CLINICAL ACTIVITY

	AY 20/21
Inpatient Activity	
Number of Inpatient visits	646
Outpatient Activity	
Clinic Visits	5,009

CONTRACTS AND GRANTS

Investigator	Grant/Project/Study Title	Project Period	Sponsor	Award Amount
Quan W JR	Non-Malignant Blood Disorder Program	5/1/2021-4/30/2024	The Coastal Blood Foundation	\$595,500
Quan W JR	A Phase 2 Study of the LSD1 Inhibitor IMG-7289 (Bomedemstat) in Patients with Essential Thrombocythaemia		Imago Biosciences	N/A
Quan W JR	D18-11141 : Phase III Randomized Trial of DFP-10917 vs. Non-Intensive Reinduction (LoDAC, Azacitidine, Decitabine, Venetoclax combination regimens) or Intensive Reinduction (High and Intermediate Dose Cytarabine Regimens) for Acute Myelogenous Leukemia Patients in Second, Third or Fourth Salvage		Delta-Fly Phama	N/A
Zuberi, L.	Palbociclib in Hormone Receptor Positive Advanced Breast Cancer: A Prospective Multicenter Non-interventional Study	2/26/2018-2/26/2023	Pfizer, Inc.	N/A

DIVISION OF INFECTIOUS DISEASE
ACADEMIC YEAR 2021 (7/20 - 6/21)

Highlights

The Division of Infectious Diseases continued its clinical and academic missions during this past year. The division is comprised of 3 university based infectious diseases consultants at the primary teaching hospital, all of whom are dually boarded in Internal Medicine and Infectious Diseases, with an additional 11 ancillary faculty composed of board certified infectious diseases physicians, doctoral level microbiologists and doctoral level pharmacists who are actively involved in various aspects of the fellowship training program.

The division provided inpatient clinical Infectious Diseases consultation at UF Health Hospitals/Jacksonville and North; Hospital Infection Prevention and Control and Antimicrobial Stewardship direction at UF Health Hospitals and outpatient infectious diseases consultation at the downtown Ambulatory Care Clinic, Emerson Campus Clinic and North Campus clinic. The division maintained an ACGME accredited Infectious Diseases fellowship training program and actively participated in the training of internal medicine residents and medical students in inpatient and outpatient infectious diseases.

Members of the division also assumed administrative and teaching roles in the ID division and IM activities. Dr. Sands is the university ID Division Chief, ID Fellowship Associate Program Director and the Medical Director of Hospital Infection Prevention and Control for UF Health Hospital. Dr. Isache is the Chair of the Antimicrobial Stewardship Programs for UF Health Hospital and the ID Fellowship Program Director.

Patient care: University ID Division inpatient and hospital based activity: The division provided full time inpatient infectious diseases consultation throughout the UF Health Jacksonville Hospital system. During the 2019-2020 academic year, the division performed over 900 inpatient infectious diseases consultations with over 1200 subsequent follow-up visits at UF Health Hospital.

Outpatient services: The division offered outpatient ID consultation by referral at the Emerson and the Ambulatory Care Clinic (ACC) subspecialty clinics. During the 2019-2020 academic year, there were over 450 outpatient ID visits for HIV/AIDS and general Infectious Diseases diagnoses including chronic osteomyelitis and MRSA infection.

Education: Grand Rounds: The division actively participates in presenting at Medical Grand Rounds and as regular attendees. This academic year faculty gave presentations at two UF Grand Rounds.

Fellowship Training: The division maintained an ACGME accredited fellowship in Infectious Diseases with one fellow for each of the two clinical fellowship years. The fellowship program has been reaccredited on a five-year cycle. The fellowship training is unique in offering two months of clinical microbiology, dedicated research time, two months of training in solid organ transplantation ID at the Mayo Clinic, one month training in Pediatric Infectious Diseases at Wolfson Children's Hospital and one month as a junior ID faculty consultant in the UF Health MICU, in addition to 14 months experience as the consultant and teaching fellow on the general ID inpatient consult service at UF Health.

Our Infectious Diseases fellows continue to distinguish themselves through maintaining a 100% ID boards pass rate and achieving successful employment as full time Infectious Diseases consultants in a variety of metropolitan areas, including San Francisco, Atlanta, Baton Rouge, Tampa, Orlando and here in Jacksonville.

Resident Training: Faculty provided a 12 lecture series ID core curriculum conference for the residents; ID consultation teaching and clinical rounds; outpatient HIV/AIDS continuity clinics; and resident ID board review sessions.

Medical Student Education: Medical students from UF Gainesville, other US sites and internationally, rotate on the infectious diseases consultative service and the outpatient ID clinics at both the ACC and Emerson campuses.

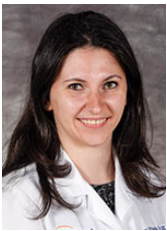
ID Division Conference Schedule: The division maintained a full conferencing schedule with topics including: core infectious diseases topics, regularly scheduled case conferences; ID board reviews; monthly journal club; HIV topical reviews; monthly TB cases and topical reviews; monthly research conferences; travel and tropical medicine conferences; transplantation ID conferences; and monthly Med/Peds ID joint conferences.

Cooperative extramural resident and fellows' training: As part of their curricula, Mayo Clinic ID fellows, UF Intensivist fellows, UF Pediatric ID fellows and UF Podiatry-Orthopedic residents rotated on the UF ID inpatient consultative service and in the HIV outpatient clinics.

Research: Dr. Sands was the principal investigator on two NIH sponsored research grants through the INSITE network; the START and Smart studies, now completed, to define the appropriate time to initiate antiviral therapy for HIV-infected patients. Post hoc analyses of the data has continued to yield valuable results and publications.

Publications and presentations this past academic year included 16 journal articles published in peer reviewed journals, three published ID monographs, 4 presentations and 3 abstracts presented at regional and national meetings.

LISTING OF FACULTY MEMBERS



Carmen Isache, M.D., Associate Professor

Medical School
Internship/residency
Subspecialty training

Gr. T. Popa University of Medicine and Pharmacy
SUNY Downstate Medical Center
University of Florida, Jacksonville (Infectious Disease)



Malleswari Ravi, M.D., Assistant Professor

Medical School
Internship/residency
Subspecialty training

NTR University of Health Sciences, India
SUNY Health Science Center, Stony Brook, NY
University of Florida, Gainesville FL



Michael Sands, M.D., M.P.H. & T.M., Professor and Division Chief

Medical School
Internship/residency
Subspecialty training

Georgetown University, Washington, DC
St. Mary's Hospital, San Francisco, CA
Tulane University School of Public Health & Tropical
Medicine (MPH & TM)
Louisiana State University School of Medicine (Infectious
Disease)
Northwestern Memorial Hospital, Dept. of Pathology, Clinical
Microbiology Section (Clinical Microbiology)

Ancillary Teaching Faculty:**UF Health Hospital Critical Care**

James D. Cury, MD
 Lisa Jones, MD
 Vandana Seeram, MD
 Amitesh Agarwal, M.D.

UF Health Hospital, Microbiology Laboratories

Yvette McCarter, Ph.D.

UF Health Hospital, Division of Pharmacy and Antimicrobial Stewardship

Christopher Jankowski, Pharm D.

UF Health Hospital, Division of Infection Prevention and Control

Capt. Chad Nielsen, MS (Epidemiology)

Mayo Clinic – Transplantation ID

Walter Hellinger, M.D.
 Julio Mendez, M.D.
 Salvatore Alvarez, M.D.
 Lisa Brumble, M.D.
 Wendy Bosch, M.D.

Wolfson Childrens' Hospital – Pediatric ID

Nizar Maraga, MD
 Ana Alvarez, M.D.
 Ayesha Mirza

State of Florida Department of Health Laboratories

Sharon Crowe, B.S., M.S.

PUBLICATIONS**Manuscripts:**

Maaliki N, Ali AA, **Isache CL**, Aung W. Unusual aetiology of respiratory compromise in a patient with AIDS. *BMJ Case Rep*. 2021 Mar 23;14(3):e240849. doi: 10.1136/bcr-2020-240849. PMID: 33758048; PMCID: PMC7993348.

Beltjens F, Molly D, Bertaut A, Richard C, Desmoulins I, Loustalot C, Charon-Barra C, Courcet E, Bergeron A, Ladoire S, **Jankowski C**, Boidot R, Arnould L. ER-/PR+ breast cancer: A distinct entity, which is morphologically and molecularly close to triple-negative breast cancer. *Int J Cancer*. 2021 Feb 26. doi: 10.1002/ijc.33539. Epub ahead of print. PMID: 33634878.

Jankowski CA, Casapao AM, Siller S, **Isache C**, **Cani KV**, Claudio AM, Brown M, Milsted B, Feldhammer. Preanalytical challenges during capillary finger stick sampling preclude its widespread use in hospitalized patients. *Am J Clin Pathol*. 2021 Feb 11;155(3):412-417. doi: 10.1093/ajcp/aqaa138. PMID: 33009571.

Hotton J, Lusque A, Leufflen L, Campone M, Levy C, Honart JF, Mailliez A, Debled M, Gutowski M, Leheurteur M, Gonçalves A, **Jankowski C**, Guillermet S, Bachelot T, Ferrero JM, Eymard JC, Petit T, Pouget N, de La Lande B, Frenel JS, Villacroux O, Simon G, Pons-Tostivint E, Marchal F. Early Locoregional Breast Surgery and Survival in de novo Metastatic Breast Cancer in the Multicenter National ESME Cohort. *Ann Surg*. 2021 Feb 1. doi: 10.1097/SLA.0000000000004767. Epub ahead of print. PMID: 33534229.

Abdo M, Ressler A, MaWhinney S, **Jankowski C**, Johnson SC, Erlandson KM. End-of-Life Planning Prior to Death Among People Living With HIV. *J Assoc Nurses AIDS Care*. 2021 Jan-Feb 01;32(1):127-133. doi: 10.1097/JNC.000000000000162. PMID: 32058335.

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- Patel B, Oye M, Norez D, **Isache C**. Peripheral blood lymphocyte-to-monocyte ratio as a screening marker for influenza infection. *J Investig Med*. 2021 Jan; 69(1):47-51. PMID: 33004467.
- McCarter, Y** and N Tran. Infectious Disease Serology and Molecular Diagnostics for Infectious Diseases. *In* AHB Wu (ed.), *Self-Assessment Q&A in Clinical Laboratory Science, III*. **2021**. Elsevier, Cambridge, MA.
- Maaliki N, **Verdecia J**, Nelson R, Aung W. A Pseudo-Infarction Pattern in the Setting of Esophageal Malignancy. *Cureus*. 2020 Dec 20;12(12):e12193. doi: 10.7759/cureus.12193. PMID: 33364140; PMCID: PMC7752783.
- Ali AA, Bajric B, **Isache CL**, Maharaj RP. Mosquito borne illness in a Floridian hiker. *Am J Emerg Med*. 2020 Dec 8:S0735-6757(20)31125-6. doi: 10.1016/j.ajem.2020.12.008. Epub ahead of print. PMID: 33339643.
- Chini CCS, Peclat TR, Warner GM, Kashyap S, Espindola-Netto JM, de Oliveira GC, Gomez LS, Hogan KA, Tarragó MG, Puranik AS, Agorrodoy G, Thompson KL, Dang K, Clarke S, Childs BG, Kanamori KS, Witte MA, Vidal P, Kirkland AL, De Cecco M, Chellappa K, McReynolds MR, **Jankowski C**, Tchkonja T, Kirkland JL, Sedivy JM, van Deursen JM, Baker DJ, van Schooten W, Rabinowitz JD, Baur JA, Chini EN. CD38 ecto-enzyme in immune cells is induced during aging and regulates NAD⁺ and NMN levels. *Nat Metab*. 2020 Nov;2(11):1284-1304. doi: 10.1038/s42255-020-00298-z. Epub 2020 Nov 16. PMID: 33199925.
- Ferreira, J, McManus J, **Jankowski CA**, Searcy, R. Why the Use of Angiotensin II May Be a Fatal Mistake in Covid-19. *SHOCK*. 2020 Nov;54(5):697-699. doi: 10.1097/SHK.0000000000001577. PMID: 32453250; PMCID: PMC7363373.
- Sanders K, Thomas A, **Isache C**, Siddiqi A. A Rare Case of Metastatic Hepatocellular Carcinoma Masquerading as a Forehead Hematoma. *Case Rep Gastrointest Med*. 2020 Sep 30;2020:8842936. doi: 10.1155/2020/8842936. PMID: 33062352; PMCID: PMC7545472.
- Vincent L, **Jankowski C**, Arnould L, Coudert B, Rouzier R, Reyat F, Humbert O, Coutant C. Comparaison des performances prédictives du TEP-TDM et du nomogramme CGFL/Curie pour prédire la réponse histologique complète après chimiothérapie néo-adjuvante des cancers du sein HER2-positifs [Comparing prediction performances of ¹⁸F-FDG PET and CGFL/Curie nomogram to predict pathologic complete response after neoadjuvant chemotherapy for HER2-positive breast cancers]. *Gynecol Obstet Fertil Senol*. 2020 Sep;48(9):679-686. French. doi: 10.1016/j.gofs.2020.03.015. Epub 2020 Mar 20. PMID: 32205278.
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Shukla S, J Cortez, W Renfro, C Timmons, PS Nandula, R Hazboun, R Dababneh, Cristina Hoopes, **Y McCarter**, M Middlebrooks, J VanRavestein, K Makker, M Ingyinn,, A Alvarez, and ML Hudak. 2020. Charge Nurses Taking Charge, Reducing Central Line Infections, and Challenging the Culture of Culture Negative Sepsis to reduce NICU antibiotic usage. *Am J Perinatol*. doi: 10.1055/s-0040-1719079.

Monographs and Book Chapters:

Mucormycosis. Palnitkar R, **Sands M**. BMJ Point-of-Care 2009, updated 2020; www.pointofcare.bmj.com.

Non-Cholera Vibrio infections. **Sands M.**, **Isache C**. BMJ Point-of-Care 2009, updated 2020; www.pointofcare.bmj.com.

Hantavirus infections. **Sands M.**, **Isache C**. BMJ Point-of-Care 2009, updated 2020; www.pointofcare.bmj.com.

Abstracts:

McCarter YS, M Reynolds and A Goglia. Efficacy of a Novel Device using Dithiothreitol in Processing Lower Respiratory Tract Specimens for Routine Gram Stain and Culture. Abstract World Microbe forum, June 2021.

Presentations:

Isache, C. "General Overview of COVID-19 Disease and Epidemiology." Virtual presentation at: UF Health Jacksonville, April 2021.

Isache, C. "Diagnosis and Management of Urinary Tract Infections." Virtual presentation at: UF Health Jacksonville, March 2021.

McCarter YS. "Clinically Relevant Culture Workup" Workshop. Virtual presentation at: South Central Association for Clinical Microbiology 2021 Spring Meeting Workshop, March 2021.

Isache, C. Grand Rounds Internal Medicine Department. Virtual presentation at: UF Health Jacksonville, July 2020.

CLINICAL ACTIVITIES

	AY 20/21
Inpatient activity	
Consults	1,135
Outpatient activity	
Clinic Visits	895

GRANTS AND CONTRACTS

Principal Investigator	Study Title	Project Period	Sponsor
M. Sands	Developing and assessing whole genome sequencing analysis for molecular epidemiology of MRSA infections at a Florida hospital	7/18 – 7/21	FoxSeq

DIVISION OF NEPHROLOGY AND HYPERTENSION
ACADEMIC YEAR 2021 (7/20 - 6/21)

Highlights

In the 2020 - 2021 academic year, the Division of Nephrology and Hypertension continued to make headway in meeting the goals of the academic mission.

In patient care, the offsite dialysis venture with DCI at the Gateway Unit has continued to support the hemodialysis mission for UF. ARNP's Melissa Goalen and Shatura Rowe played essential roles in the care of our large outpatient dialysis population. The DCI Midtown hemodialysis patients are planned to move to the nearby DCI Gateway and LaVilla Dialysis Units later this year, while the peritoneal dialysis patients will eventually move to the LaVilla Dialysis Unit.

In education, the Nephrology fellowship progressed successfully with continuation of Simulation Trainings and off-site renal transplant rotations. The Emerson site Renal Transplant Clinic has been up and running since June of 2019 with Dr. Vishal Jaikaransingh and Dr. Rabie Adam-Eldien seeing patients there. Dr. Vishal Jaikaransingh continues as the Associate Program Director for the fellowship, and he continues as the organizer of the fellows' Renal Physiology Course.

The joint Renal Pathology Conference with Mayo Clinic Jacksonville and Mayo Clinic Rochester continued as a successful and important piece of the educational program, as did the hospital Transplant Rotation at Mayo Clinic Jacksonville with a core lecture series. Our annual Update in Nephrology & Hypertension CME Symposium with grant support from Dialysis Clinics Inc., continued in 2021 as a virtual conference due to the COVID19 pandemic. Dr. Ronald Mars received a Faculty Teaching Award this academic year.

The Division presented Mechano-Growth Factor (MGF) and glucose transporter research work on mouse glomerular disease at the 2020 virtual American Society of Nephrology meeting. Fellow case report abstracts were also a part of the 2020 ASN Meeting. The research laboratory of Dr. Charles Heilig continued with funded basic research studies into the pathogenesis of diabetic and nondiabetic glomerulosclerosis in diabetic and transgenic mouse models, with a focus on the roles of Mechano-Growth Factor (MGF) and glucose transporters. Dr. Charles Heilig had research grant funding from DCI, Inc. and a Scott R. Mackenzie Foundation Research Grant for studies of glomerulosclerosis in mice. He also mentored Dr. Irtiza Hasan for a human glomerulosclerosis study funded with a UF Dean's Grant. Dr. Yongxin Gao, Assistant Scientist in the Nephrology Research Laboratories, continued her collaborative research work on glucose transporters, MGF and other growth factors in diabetic and nondiabetic kidney disease.

Fellows and/or faculty attended and participated in meetings of the American Society of Nephrology, the National Kidney Foundation, and a national Home Dialysis Educational Seminar.

Patient care: The Division of Nephrology provides physician services and the medical director for two outpatient chronic dialysis units and also provides services to the inpatient UF Health Jacksonville acute hemodialysis unit. Dialysis Services provided include hemodialysis (HD), peritoneal dialysis (PD), and inpatient CRRT. Faculty clinics are staffed at the Towers Clinic on the downtown campus by the nephrology faculty members, at the Emerson Transplant Clinic by Dr.'s Vishal Jaikaransingh and Dr. Rabie Adam-Eldien, and at the UF North Nephrology Clinic. The nephrology clinics at the UF Health Jacksonville campus included the Nephrology Faculty Clinics, the Anemia Clinic, the Post-Renal Transplant Clinic, the Fellows' Continuity Clinics, the Correctional Facility Clinic, the HD Outpatient Center and the PD Clinic. The inpatient Nephrology Acute and Chronic Consult Services are staffed by two faculty members and two fellows. These two services continue to provide important educational platforms for fellows, medical residents & students. Dr. Abdalagani Baher was the Quality Officer for the Division.

The Division has been working with the Department of Surgery on improving placement of permanent vascular access for patients preparing for hemodialysis, to fulfill goals of the Fistula First Program. The Post-Renal Transplant Clinic and the Emerson Transplant Clinics continued to serve as additional platforms for education of the fellows and care of patients previously transplanted at this program.

Education: The fellows' Renal Physiology Course, initiated in 2010, continued under Dr. Jaikaransingh's guidance as an important component of the nephrology educational experience. The joint Renal Pathology Teleconference including UF Health Jacksonville, Mayo Jacksonville and Mayo Rochester, has continued to be an important educational component for the Nephrology Fellowship program. The annual Update in Nephrology and Hypertension continued to be an important educational venue for fellows and faculty alike in 2021. This symposium typically includes UF faculty, plus visiting speakers.

The Nephrology faculty continue to participate in educational programs for the Medicine residents, including the Night Float Rotation, Medicine Residents' Noon Conferences, Nephrology Clinics & the Nephrology Hospital Consult Rotations. The Mayo Clinic Jacksonville Renal Transplant Rotation for UF Health Jacksonville Nephrology fellows continued successfully and complements the Nephrology training program at UF Health. The ACGME-required milestones have been incorporated into the fellowship training program and rotation evaluations.

Research: The topics of research studies in the Division spanned from basic science work on glucose transporter & growth factor roles in diabetic and nondiabetic glomerular disease, to translational work on human kidney samples regarding Mechano-Growth Factor involvement in glomerulosclerosis, and also modified dialysis prescription investigation. Dr. Heilig's laboratory focuses on glucose transporter- and MGF- regulation of glomerulosclerosis in both diabetic and nondiabetic kidney disease. Dr. Irtiza Hasan, Renal Fellow mentored by Dr. Heilig, was funded with a UF Dean's Grant to investigate mechanisms of glomerulosclerosis in patients with nondiabetic or diabetic renal disease. Dr. Vishal Jaikaransingh participated in two clinical trials, one on ambulatory blood pressure monitoring, and another on COVID-19 and renal disease. Dr. Ronald Mars investigates the efficacy of modified dialysis prescriptions for cost saving in hemodialysis.

The Nephrology fellows participated in various different research studies & scholarly activities as part of their research training. Fellows also attended/participated in research activities for the 2020 virtual American Society of Nephrology Meeting and the 2020 National Kidney Foundation Meeting. The Nephrology Division produced 13 manuscripts, 5 abstracts, and 10 presentations. There were also 5 active grant awards in the Division this year (4 research grants & 1 education grant).

Special Initiatives:

Nephrology & Hypertension Annual Update, Jacksonville, FL: This year's meeting was held as a virtual conference due to COVID-19. This yearly meeting typically provides education and CME credits. Doctors, nurses and others involved in the care of patients with renal disease attend the meeting. The Activity Director is Dr. Ronald Mars.

Nephrology Fellows' Quality Improvement Project in Dialysis: The faculty worked with the fellows on this important activity which helped to fulfill the ACGME – required competency requirements.

Nephrology Fellows' Patient Safety Project: This Fistula-First Project includes, but is not limited to, fellow timely referral for and tracking of AV-fistula placement, outcomes from the time of referral to dialysis initiation and beyond. Goals include optimizing AVF prevalence and function for initiation of dialysis, reduction of vascular access complications once dialysis has begun, and fellow analysis of patient outcomes, by type of access initially used.

Simulation Laboratory Experiences: The Nephrology fellows received Institutional Patient Safety Training in the Simulation Laboratory. They also participated in the yearly Nephrology Simulation Laboratory experiences for temporary hemodialysis catheter placement and renal biopsy.

Fistula First Initiative: Faculty and fellows continue to participate in this quality improvement and patient safety initiative, aimed at improving patient outcomes on hemodialysis.

LISTING OF FACULTY MEMBERS



Abdalagani Abakar Baher, M.D., Assistant Professor

Medical School
Internship/residency
Subspecialty training

University of Khartoum, Khartoum, Sudan
Interfaith Medical Center, Brooklyn, NY



RABIE ADAM-ELDIEN, M.D., Assistant Professor

Medical School
Internship/residency
Subspecialty training
Subspecialty training

University of Khartoum, Khartoum, Sudan
Worcester Medical Center, Worcester, MA
University of Florida College of Medicine,
Jacksonville, FL
Vanderbilt University Medical Center, Nashville,
TN



Yongxin Gao, M.D., Assistant Scientist

Medical School
Postdoctoral training

Jiamusi Institute of Medicine, China
Department of Pharmacology, University of
Florida



Charles Heilig, M.D., Professor and Division Chief

Medical School
Internship/residency
Subspecialty training

University of Minnesota
Mayo Clinic Rochester
Brigham and Women's Hospital, Harvard Medical School



Vishal Jaikaransingh, M.D., Assistant Professor

Medical School
Internship/residency
Subspecialty training

University of the West Indies, Trinidad
University of Florida, Jacksonville, FL
UT Southwestern Medical Center, Dallas, Texas



Pradeep Kadambi, M.D., M.B.A., Professor and Senior Associate Dean, Clinical Affairs

Medical School
Professional Education
Internship/residency
Subspecialty training
Subspecialty training

Bangalore University, Bangalore, India
Northwestern University
Yale University School of Medicine
Yale University School of Medicine
University of Chicago– Transplant Nephrology



Ronald Mars, M.D. Associate Professor

Medical School
Internship/residency
Subspecialty training

St Louis University
Emory University
Emory University

PUBLICATIONS

Manuscripts:

Alsheikh R, Johnson K, Dauenhauer A, **Kadambi P**. Impact of transplant pharmacists on length of stay and 30-day hospital readmission rate: a single-centre retrospective cohort study. *Eur J Hosp Pharm*, 2020.

Hasan I, Rashid T, Suliman S, Hatem A, Chirila RM, Mai ML, Jarmi T, Khouzam S, Franco PM, **Heilig CW**, Wadei HM. Predictors of disease severity and outcome of hospitalized renal transplant recipients with COVID-19 infection: a systematic review of a globally representative sample. *Rom J Intern Med*. 59(1):10-42, 2021.

Haddad C, , Scuderi C, Haddad-Lacle J, Grewal, R, Jacqmeim, J, **Kadambi P**. Rapid Development and Deployment of Respiratory Evaluation Clinics in Response to the COVID-19. *Osteopathic Family Physician* 13 (2), 2021.

Jaikaransingh V, Kadambi PV. Donor-Derived Cell-Free DNA (ddcf-DNA) and Acute Antibody-Mediated Rejection in Kidney Transplantation. *Medicina*. 57(5):436, 2021.

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Gupta S, Wang W, Hayek SS, Chan L, Mathews KS, Melamed ML, Brenner SK, Leonberg-Yoo A, Schenck EJ, Radbel J, Reiser J, Bansal A, Srivastava A, Zhou Y, Finkel D, Green A, Mallappallil M, Faugno AJ, Zhang J, Velez JCQ, Shaefi S, Parikh CR, Charytan DM, Athavale AM, Friedman AN, Redfern RE, Short SAP, Correa S, Pokharel KK, Admon AJ, Donnelly JP, Gershengorn HB, Douin DJ, Semler MW, Hernán MA, Leaf DE; STOP-COVID Investigators. Association Between Early Treatment With Tocilizumab and Mortality Among Critically Ill Patients With COVID-19. *JAMA Intern Med*. 181(1):41-51, 2021.

Gupta S, Coca SG, Chan L, Melamed ML, Brenner SK, Hayek SS, Sutherland A, Puri S, Srivastava A, Leonberg-Yoo A, Shehata AM, Flythe JE, Rashidi A, Schenck EJ, Goyal N, Hedayati SS, Dy R, Bansal A, Athavale A, Nguyen HB, Vijayan A, Charytan DM, Schulze CE, Joo MJ, Friedman AN, Zhang J, Sosa MA, Judd E, Velez JCQ, Mallappallil M, Redfern RE, Bansal AD, Neyra JA, Liu KD, Renaghan AD, Christov M, Molnar MZ, Sharma S, Kamal O, Boateng JO, Short SAP, Admon AJ, Sise ME, Wang W, Parikh CR, Leaf DE; STOP-COVID Investigators. AKI Treated with Renal Replacement Therapy in Critically Ill Patients with COVID-19. *J Am Soc Nephrol*. 32(1):161-176, 2021.

Flythe JE, Assimon MM, Tugman MJ, Chang EH, Gupta S, Shah J, Sosa MA, Renaghan AD, Melamed ML, Wilson FP, Neyra JA, Rashidi A, Boyle SM, Anand S, Christov M, Thomas LF, Edmonston D, Leaf DE; STOP-COVID Investigators. Characteristics and Outcomes of Individuals With Pre-existing Kidney Disease and COVID-19 Admitted to Intensive Care Units in the United States. *Am J Kidney Dis*. 77(2):190-203, 2021.

Hayek SS, Brenner SK, Azam TU, Shadid HR, Anderson E, Berlin H, Pan M, Meloche C, Feroz R, O'Hayer P, Kaakati R, Bitar A, Padalia K, Perry D, Blakely P, Gupta S, Shaefi S, Srivastava A, Charytan DM, Bansal A, Mallappallil M, Melamed ML, Shehata AM, Sunderram J, Mathews KS, Sutherland AK, Nallamotheu BK, Leaf DE; STOP-COVID Investigators. In-hospital cardiac arrest in critically ill patients with covid-19: multicenter cohort study. *BMJ*. 371:m3513, 2021.

Molnar MZ, Bhalla A, Azhar A, Tsujita M, Talwar M, Balaraman V, Sodhi A, Kadaria D, Eason JD, Hayek SS, Coca SG, Shaefi S, Neyra JA, Gupta S, Leaf DE, Kovesdy CP; STOP-COVID Investigators. Outcomes of critically ill solid organ transplant patients with COVID-19 in the United States. *Am J Transplant*. 20(11):3061-3071, 2020.

Mathews KS, Soh H, Shaefi S, Wang W, Bose S, Coca S, Gupta S, Hayek SS, Srivastava A, Brenner SK, Radbel J, Green A, Sutherland A, Leonberg-Yoo A, Shehata A, Schenck EJ, Short SAP, Hernán MA, Chan L, Leaf DE; Study of the Treatment and Outcomes in Critically Ill Patients with Coronavirus Disease (STOP-COVID) Investigators. Prone Positioning and Survival in Mechanically Ventilated Patients With Coronavirus Disease 2019-Related Respiratory Failure. *Crit Care Med*. Feb 17, 2021. doi: 10.1097/CCM.0000000000004938. Epub ahead of print. PMID: 33595960.

Al-Samkari H, Gupta S, Leaf RK, Wang W, Rosovsky RP, Brenner SK, Hayek SS, Berlin H, Kapoor R, Shaefi S, Melamed ML, Sutherland A, Radbel J, Green A, Garibaldi BT, Srivastava A, Leonberg-Yoo A, Shehata AM, Flythe JE, Rashidi A, Goyal N, Chan L, Mathews KS, Hedayati SS, Dy R, Toth-Manikowski SM, Zhang J, Mallappallil M, Redfern RE, Bansal AD, Short SAP, Vangel MG, Admon AJ, Semler MW, Bauer KA, Hernán MA, Leaf DE; STOP-COVID Investigators. Thrombosis, Bleeding, and the Observational Effect of Early Therapeutic Anticoagulation on Survival in Critically Ill Patients With COVID-19. *Ann Intern Med*. Jan 26:M20-6739, 2021.

Shaefi S, Brenner SK, Gupta S, O'Gara BP, Krajewski ML, Charytan DM, Chaudhry S, Mirza SH, Peev V, Anderson M, Bansal A, Hayek SS, Srivastava A, Mathews KS, Johns TS, Leonberg-Yoo A, Green A, Arunthamkun J, Wille KM, Shaukat T, Singh H, Admon AJ, Semler MW, Hernán MA, Mueller AL, Wang W, Leaf DE; STOP-COVID Investigators. Extracorporeal membrane oxygenation in patients with severe respiratory failure from COVID-19. *Intensive Care Med*. 47(2):208-221, 2021.

Abstracts:

Hasan I, **Jaikaransingh V**, **Abakar Baher A**, Reyes Oliva JS, **Heilig CW**. Spectrum of AKI in Patients with COVID-19 Infection. *JASN*. 31:806, 2020.

Gao Y, Hasan I, Adorno-Rivera Z, Li, H, **Heilig CW**. Transgenic Mechano-Growth Factor Overexpression in Mice Induces Glomerular PKC α and Type I Collagen with Glomerulosclerosis. *JASN* 31:322, 2020.

Hasan I, Adorno-Rivera Z, **Heilig CW**. Gabapentin Toxicity in Existing and Developing Renal Failure. *JASN* 31:723, 2020.

Hasan I, **Jaikaransingh V**, **Mars R**. A case of concurrent HELLP and pregnancy associated atypical HUS (aHUS) during postpartum period. National Kidney Foundation (NKF) Spring meeting 2021.

Chandler Z, Patel N, Kahn C, Hasan I, **Jaikaransingh V**. Microscopic polyangiitis with pulmonary-renal syndrome following SARS-CoV-2 infection. NKF Spring meeting 2021.

PRESENTATIONS

Kadambi P. Healthcare Management in the midst of a Global Pandemic Part 1. Virtual Panelist at: Jack Welch Management Institute Connect Event; August, 2020.

Kadambi P. Interview with Scott Becker on Healthcare Leadership. Podcast; October 2020.

Kadambi P. Medical Management of Kidney Transplant Recipients. Oral presentation at: University of Florida College of Medicine Jacksonville Urology Grand Rounds; October 2020.

Kadambi P. Healthcare Management in the midst of a Global Pandemic Part 2. Virtual Panelist at: Jack Welch Management Institute Connect Event. November, 2020.

Kadambi P. Becker's Health IT + Revenue Cycle: 4 Questions with Pradeep Kadambi, President and Chief Executive Officer for University of Florida Jacksonville Physicians. Podcast; November 2020.

Heilig CW. Update on Membranoproliferative Glomerulonephritis. Virtual presentation at: UF Health Jacksonville Medical Grand Rounds; January 2021.

Heilig CW. Update in the Diagnosis and Management of Diabetic Nephropathy. Virtual presentation at: Update in Nephrology and Hypertension 2021 symposium, Jacksonville, FL; March 2021.

Kadambi P. Current Standards in the Management of Kidney Transplant Recipients. Virtual presentation at: Update in Nephrology & Hypertension 2021; Jacksonville, FL, March 2021.

Kadambi P. Evaluation of Patients for Kidney Transplantation; A practical approach. Virtual presentation at: University of Ghana Kidney Transplant program, Ghana, April 2021.

Whitney C, **Mars R.** Iatrogenic Arteriovenous Fistula with Central Venous Catheterization. Poster presentation at: National Kidney Foundation Spring Clinical Meeting; Virtual, April 2021.

HONORS AND AWARDS

Charles Heilig, MD: Chair, Dept. of Defense, CDMRP Grant Review Committee Dis-UD, 2020

Ronald Mars, M.D.: University of Florida Exemplary Teaching Award 2021

CLINICAL ACTIVITIES

Inpatient activity	AY 20/21
Initial inpatient encounters	1,211
Inpatient dialysis treatments	3,550
Outpatient activity	
Clinic visits	3,075
Outpatient dialysis visits (full month)	2,514

CONTRACTS AND GRANTS

Principal Investigator	Study Title	Project Period	Sponsor	Award Amount
Heilig, C	Reversal of Diabetic Glomerulosclerosis by Inhibition of Mesangial Cell Glucose Transporter GLUT1.	12/2016 – 12/2020	Scott R. MacKenzie Foundation, #170008	\$250,000
Heilig, C	Mechano – Growth Factor (MGF) Roles in Diabetic Glomerulosclerosis - A New Factor Promoting Diabetic Kidney Disease.	7/2016 – 4/2021	DCI #C-3880	\$346,599
Mars, R	Update in Nephrology & Hypertension 2021	3/2021	Dialysis Clinics, Inc.	\$2,500
Heilig C	Genetic Variations in the Glut1 Gene in Patients with End Stage Renal Disease due to Diabetic Nephropathy.	7/2018 – 7/2021	DCI #C-4092	\$44,000
Hasan, I. (Co-PI Heilig C)	GLUT1 Glucose Transporter is Directly Involved in Both Diabetic and Non-Diabetic Glomerulosclerosis in Humans	2019 - 2021	UF Dean's Grant	\$5,000

DIVISION OF PULMONARY, CRITICAL CARE AND SLEEP MEDICINE
ACADEMIC YEAR 2021 (7/20 - 6/21)

Highlights

The Division of Pulmonary, Critical Care and Sleep Medicine has shown resilience thru a Global Pandemic with productive faculty members. There have been some staff changes as Dr Jones left the Division In December 2020 with Dr Seeram assuming the role of the interim Division Chief while a nationwide search was conducted for a permanent Division chief. Dr Hatoum completed his year and will be relocating to Atlanta, GA to be with his family and Dr Stuart Shah will join the Division upon completion of his Fellowship in June 2020. The fellowship program was approved for a complement increase to 3 fellows per year starting 2021 and the fellowship training program continues to be popular with almost 500 applications for the three available positions per year. Clinically, we continue the expansion of Pulmonary Disease clinics and consultation services at UF North. Academically, the division continues to be productive in the areas of clinical and original research and publications. The faculty was involved as moderators and presenters for various sessions in Society of CHEST, Pulmonary Hypertension Association, SETA and ATS conferences. The fellows, under the mentorship of faculty, are engaged in a number of clinical studies, to include COVID-19 related studies. The division had a number of abstracts presented in national and international conferences and was represented in various national and international meetings in the form of providing educational lectures.

Patient care: The division faculty staffs a number of specialized and general pulmonary clinics. The asthma clinic, under the supervision of Dr. Cury, continues to be a part of the American Lung Association Asthma Clinical Research Network and involved in successful industry funded clinical research in this arena.

The pulmonary hypertension clinic, under the leadership of Dr. Seeram and Dr. Najjar, continues to be a locally known referral center with patients being referred from regions all over our coast. As member of the Pulmonary Hypertension Association, it is on track to become a Regional Referral Center with a successful first site visit in December 2019. We continue to host a successful Pulmonary Hypertension support group for patients and caregivers and have transitioned well to a virtual format. Nationally renowned speakers have been guest speakers at these support group meetings. The clinic currently manages over 150 pulmonary hypertension patients and our faculty perform the required right heart catheterizations in a dedicated suite to complete the comprehensive assessments of this patient population. Alicia Peters, RN has been newly appointed as the Pulmonary Hypertension and Pulmonary Disease Clinical Coordinator.

The Interstitial Lung Disease and Sarcoidosis clinic continues to expand and is involved in numerous clinical trials in the area of IPF. We look forward to the addition of new faculty specialized in the management of sarcoidosis to help with further expansion of this program

The fellows' continuity clinic is staffed and supervised by faculty three days weekly. The number of pulmonary function, 6MWT, NIOX testing performed over both campuses has increased with the addition of a dedicated RT at Faculty Pulmonary clinic and the addition of an oxygen assessment and 6 minute walk clinic.

The thoracic oncology clinic continues its multidisciplinary approach to patients with thoracic malignancy. The division successfully initiated the bronchoscopy program at the North campus with Drs. Hatoum, Ashby and Najjar. The already extensive interventional pulmonary program with EBUS and navigational bronchoscopy for peripheral lung lesions continues to grow with all 6 fellows obtaining certification in navigational bronchoscopy.

The MICU was determined to be the unit for COVID-19+ critically ill patients for the pandemic surge. Our faculty provided continued coverage in the Medical ICU with surges seen in July-August 2020 and again

December 2020 to February 2021. The dedication, courage, professionalism is exemplary amongst our faculty, MICU nursing, and ancillary staff.

The inpatient pulmonary consult service continues to be busy and, with the continued evolution of the bronchoscopy, thoracoscopy and right heart catheterization suite, there has been an increase in the number, efficiency and timeliness of procedures offered by the division. The COVID+ patients have been consulted to the pulmonary service for recommendations on management and continuity of care. Our faculty have contributed to the monthly hospital COVID guidelines that are available on the UF Health Bridge and provide guidance on the constantly evolving body of evidence behind the management practices for hospitalized COVID 19 patients.

Education: The faculty has been invited to present lectures at international conferences such as CHEST, ATS and SETA in the past year, which is a reflection of national recognition of our division.

The division continues to play an active role in educational core lecture series including Grand Rounds and Updates in Internal Medicine 2020. The division faculty also has an active role in the educational lectures for a variety of residency programs including Navy family medicine, emergency medicine, obstetrics, internal medicine and trauma critical care. Drs. Cury, Seeram, Hatoum and Louis were honored with Exemplary Teacher Awards for 2020 by University of Florida College of Medicine. Dr. Seeram was honored by University of Florida Internal Medicine residency Teacher of Year Award for years 2016, 2017, 2018 and 2020.

Dr. Vandana Seeram continued as the Pulmonary Medicine and Critical Care Medicine Fellowship Director coordinating the educational activities for the fellowship with continued 100% first time board pass rates. The fellowship program has been granted a complement increase to three fellows per year and hopes to continue with the expansion efforts. As a result of the increased number of fellows, there will be the implementation of a night float fellow on most nights which will help with continuity of care and resident guidance in the MICU.

The division was involved in various regional/national/international meetings with faculty representing the University of Florida College of Medicine-Jacksonville by providing educational lectures in various topics of interest and Dr Seeram and Dr Ashby presented at the Internal Medicine Update 2020 which was held virtually.

The faculty continues to mentor and supervise family medicine residents from the Navy residency program during their rotation in medical intensive care unit and have always received very positive feedback from the leadership of Naval Air Station Jacksonville. We have been active in training nurse practitioners and physician assistants not only from the University of Florida sponsored training programs but also from local sponsored programs.

Research: The division has been very successful in obtaining and continuing its clinical research trials along with funded research. The funded research includes dean's grants, UF clinical quality grant and investigator initiated trials. The number of internal unfunded clinical research protocols has also increased substantially resulting in quality abstracts being presented at national and international meetings. A dedicated clinical research coordinator, Fallon Wainwright, has enabled the division to participate in more collaborative based clinical research protocols including sleep medicine and rheumatology.

The faculty has had a number of publications in peer review journals and has manuscripts in preparation. Close collaboration with other departments with common research interests is the key to future protocols and publications.

LISTING OF FACULTY MEMBERS



Tracy Ashby, D.O., Assistant Professor

Medical School
Internship/residency
Subspecialty training

Lincoln Memorial University
University of Florida/Jacksonville
University of Florida/Jacksonville



James D. Cury, M.D., Associate Professor

Medical School
Internship/residency
Subspecialty training

University of Miami
Barnes Hospital/Washington
Washington University



Hadi Hatoum, M.D., Assistant Professor

Medical School
Internship/residency
Subspecialty training

American University of Beirut
Indiana University School of Medicine
University of Texas Southwestern



Lisa Jones, M.D., Associate Professor and Division Chief

Medical School
Internship/residency
Subspecialty training

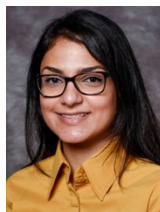
University of Cincinnati
University Hospital Cincinnati
Naval Medical Center



Mariam Louis, M.D., Associate Professor

Medical School
Internship/residency
Subspecialty training

McGill University
McGill University
McGill University (Pulmonary Medicine)
Johns Hopkins University (Sleep
Medicine)



Nimeh Najjar, M.D., Assistant Professor

Medical School
Internship/residency
Subspecialty training

Ross University School of Medicine
University of Florida/Jacksonville
University of Florida/Jacksonville



Vandana Seeram, M.D., Associate Professor

Medical School
Internship/residency
Subspecialty training

University of West Indies
University of Florida/Jacksonville
University of Florida/Jacksonville

PUBLICATIONS

Manuscripts:

Shah S, Smotherman C and **Louis M**. Determinants of bilevel therapy in the management of obstructive sleep apnea. *Sleep Breath* (2020). <https://doi.org/10.1007/s11325-020-02193-z>.

Kharod s, Nichols R, Henderson R, MD, Morris C, Pham D, **Seeram V**, Jones L, Miranda M, Siragusa D, Hoppe B. Image-Guided Hypofractionated Proton Therapy in Early-Stage Non–Small Cell Lung Cancer: A Phase 2 Study. *Int J Part Ther* (2020) 7 (2): 1–10.

Magee L, **Louis M**, KhanV, Micalo L, and Chaudary N. Managing Fungal Infections in Cystic Fibrosis Patients: Challenges in Clinical Practice. *Infect Drug Resist*. 2021; 14: 1141–1153.

Electronic Media:

Sodhi A, Kadaria D, Trabanco J, Burden Z, and **Louis M**. COVID-19 and Pregnancy. CHEST Guidelines and resources April 30, 2021.

Abstract/Presentations:

Burden Z, Thekkedath E, Steinberg S, **Cury J**. Curvularia infection in an immunocompetent host presenting as a pulmonary mass. Chest Annual Meeting 2020.

Streit S, Izzo C, **Najjar N**. Malignant peripheral nerve sheath tumor spread to the thoracic cavity causing obstructive shock. Chest Annual Meeting 2020.

Patel H, Shelley P, **Hatoum H**. Unusual presentation if disseminated Legionella with hypertriglyceridemia and massive rhabdomyolysis. Chest Annual Meeting 2020.

Thekkedath A, Green K, **Seeram V**. Graves Thyrotoxicosis Induced Chylothorax. ATS Annual Meeting May 2021.

Oral Presentations:

CHEST Annual Meeting 2020. Session Name: Obstructive Lung Diseases - Obstructive Lung Diseases in Women – Is There a Difference?

Presenter : **Mariam Louis:** COPD in women
 Vandana Seeram: Asthma in Women

HONORS AND AWARDS

James D. Cury, M.D.	Exemplary Teacher Awards	2020/2021
Hadi Hatoum, M.D.	Exemplary Teacher Awards	2020/2021
Mariam Louis, M.D.	Exemplary Teacher Awards	2020/2021
Vandana Seeram, M.D.	Exemplary Teacher Awards	2020/2021

CLINICAL ACTIVITIES

	AY 20/21
Inpatient activity	
Initial Inpatient Encounters	850
Outpatient activity	
Clinical Visits	6,309
Procedures	
Bronchoscopies	512
Sleep Studies	1103

CONTRACTS AND GRANTS

Principal Investigator	Study Title	Project Period	Sponsor	Award	Notes
Cury	Leep : enrollment closed Losartan Effects on Emphysema Progression (COPD)	2017 - present	John Hopkins	\$4,500	Pt count: 31
Cury	Leep COVID: enrollment closed Losartan Effects on Emphysema Progression (LEEP) COVID-19 Ancillary Study Protocol	3/2019 - present	John Hopkins	\$1,180	Pt count: 8
Cury	Match – enrollment open Improving medication adherence with telehealthcare medication therapy management to change health outcomes in adolescents and young adults with asthma	2018 - present	John Hopkins	\$535pp	Pt count: 0
Cury	D3251C00014 Resolute - enrollment closed A Multicenter, Randomized, Double-blind, Chronic-dosing, Parallel-group, Placebo-controlled Phase 3 Study to Evaluate the Efficacy and Safety of Benralizumab 100 mg in Patients with Moderate to Very Severe Chronic Obstructive Pulmonary Disease (COPD) with a History of Frequent COPD Exacerbations and Elevated Peripheral Blood Eosinophils (RESOLUTE)	1/2020 – present	AstraZenca	\$26,500.00	Pt count: 1
Seeram	Sphere enrollment closed: Upravi® (Selexipag): tHe usErs dRug rEgistry	11/2017 - present	Actelion	\$6,500	Pt count: 6
Seeram	RIN-PH-202 – roll-over of RIN-PH-201 enrollment closed An Open-Label Extension study of Inhaled Treprostinil in Subjects with Pulmonary Hypertension due to Parenchymal Lung Disease	11/2017 - present	United Therapeutics	\$30,800	Pt Count: 1
Najjar	BI 1199.248 – rollover of 1199.247 enrollment closed An open-label extension trial of the long-term safety of nintedanib in patients with Progressive Fibrosing Interstitial Lung Disease (PF-ILD)	5/2019 - present	BI	\$12,912	Pt count: 2
Jones	Roche – enrollment closed A PHASE II, OPEN-LABEL, RANDOMIZED, MULTICENTER STUDY TO INVESTIGATE THE PHARMACODYNAMICS, HARMACOKINETICS, SAFETY, AND EFFICACY OF 8 mg/kg OR 4 mg/kg INTRAVENOUS TOCILIZUMAB IN PATIENTS WITH MODERATE TO SEVERE COVID-19 PNEUMONIA	5/2020 - present	PPD	\$43,000	Pt count: 1
Seeram	FGCL-3019-091A – FibroGen - enrollment open Phase 3, randomized, double-blind, placebo-controlled efficacy and safety of pamrevlumab in subjects with IPF	3/2020 - present	FibroGen, Inc	\$30,800	Pt count: 2
Ashby	Starscape PRM-151-303 WA42293 – SIV 9/16! A Phase 3 Randomized, Double-Blind, Placebo-Controlled Trial To Evaluate The Efficacy And Safety Of PRM-151 In Patients With Idiopathic Pulmonary Fibrosis	10/2020	F. Hoffmann-La Roche Ltd	\$37,000	

Ashby	Starscape - WA42294 – will start after 93 A Phase 3, Open-label extension study to Evaluate The Efficacy And Safety Of PRM-151 In Patients With Idiopathic Pulmonary Fibrosis	N/A	F. Hoffmann-La Roche Ltd	No budget yet
Cury	Genetech – in budgeting & contracting A PHASE IIb, RANDOMIZED, DOUBLE-BLIND, PLACEBOCONTROLLED, MULTICENTER STUDY TO EVALUATE THE EFFICACY AND SAFETY OF ASTEGOLIMAB IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE	3/2021	Genetech	\$29,500
Louis	Philips Respironics COPD - enrollment open Determination of the Prevalence and Severity of Expiratory Flow Limitation in Chronic Obstructive Pulmonary Disease patients	2/2018	Philips	\$7,500 Pt count: 47
Hatoum	REMAP COVID enrollment open Embedded, Multifactorial Adaptive Platform trial for Community acquired (REMAP-CAP)	4/2020	REGENERON PHARMACEUTICALS	\$3,000 Pt count: 0
Jones	Ravi – COVID - COVID board denied. enrollment closed before we could even start Phase 3 Open-label, Randomized, Controlled Study to Evaluate the Efficacy and Safety of Intravenously Administered Ravulizumab Compared with Best Supportive Care in Patients with COVID-19 Severe Pneumonia, Acute Lung Injury, or Acute Respiratory Distress Syndrome	7/2020	Alexion Pharmaceuticals, Inc	\$28,600
Seeram	TENTON - RIN-PF-301 –wrapping up contract with ORA A Randomized, Double-blind, Placebo-controlled, Phase 3 Study of the Efficacy and Safety of Inhaled Treprostinil in Subjects with Idiopathic Pulmonary Fibrosis	1/2021	United Therapeutics	\$23,600
Cury	Tobacco Heating System – on hold until ?	1/2020	Icon	N/A
Jones	BI 1199.0420 – on hold until ? New phase IV study in patients (18 years and older) with early Diffuse Cutaneous Systemic Sclerosis associated Interstitial Lung Disease (dcSSc-ILD) on local standard of care. The study is scheduled to enroll from February 2021 until January 2023.	7/2020	BI	N/A
Jones	PRM-151 – in the works A Phase 3 Randomized, Double-Blind, Placebo-Controlled Trial To Evaluate The Efficacy And Safety Of PRM-151 In Patients With Idiopathic Pulmonary Fibrosis	9/2020	Pharmosa Biopharm	N/A

DIVISION OF RHEUMATOLOGY AND CLINICAL IMMUNOLOGY
ACADEMIC YEAR 2021 (7/20 - 6/21)

Highlights

The Division of Rheumatology and Clinical Immunology had a successful and productive academic year on multiple levels. We have seen some of the fruits of our dedication to the University of Florida College of Medicine–Jacksonville (UFCOM-J) mission. The Division had significant accomplishments in patient care, research and education.

The Division continues to work with other training programs and the GME office at UFCOM-J in order to provide mentoring and teaching for many students and residents who are interested in our specialty. The current Rheumatology fellowship started with the first fellow, Jaspreet K Kaler in July 2018 who is in private practice in Washington State. Dr Zareen Vaghaiwalla graduated in June 2021 and will be starting private practice in Lake City, Florida. The Division has continued to be active in virtual ultrasound educational activities at the national and international level.

The backbone to our success is the loyal and hardworking staff at our clinics, hospital and administrative offices. During the COVID pandemic, faculty, fellows, clinic and administrative staff worked hard to rapidly adapt to virtual visit practices to allow continuity of care of patients.

Patient care: Despite the challenges posed by COVID 19, the Division increased clinical volume for the academic year. Patient encounters include, but are not limited to, many types of arthritis, lupus, scleroderma, myositis, autoimmune and systemic diseases, osteoporosis, connective tissue diseases related to inflammation and metabolic dysfunction, soft tissue conditions and pain such as fibromyalgia. We continue to be on the forefront of providing very up to date rheumatology services and 24/7 consultations at UF Health Jacksonville Main Campus and UF North Campus, the Ambulatory Care Clinic and our dedicated outpatient clinic on Emerson Street. The Division also provides musculoskeletal ultrasound services related to rheumatologic care both for inpatient and outpatient settings.

In the outpatient setting, we provide full rheumatology coverage from Monday through Friday, where we provide diagnostic musculoskeletal ultrasound and musculoskeletal procedures under ultrasound guidance.

Excellence is our only goal when it comes to patient care. Our faculty members achieved or exceeded the average in our specialty and in comparison to others at our institution. We touch our patients' lives during some of the most vulnerable moments they will ever encounter alone or with their loved ones. As physicians of the UFCOM-J, we always strive for excellence in our practice.

Education: Education is one of the main missions at the UFCOM-J. Our faculty members have been very dedicated and creative in delivering the best of what they can offer to our students and residents. Our achievements in education were highlighted in multiple venues and the rheumatology fellowship program was a major cornerstone in the growth and development of our academic program. The Division has successfully attained fellowship accreditation starting in July 2018. The fellowship provides a strong clinical focus as well as many opportunities in clinical research, quality improvement as well as musculoskeletal ultrasound.

In the educational program of the University of Florida medical students and residents, Dr. Ramrattan, Dr. Thway, Dr. Ramsubeik and Dr. Kaeley participated in precepting clinics in rheumatology and delivered core curriculum lectures for the Internal Medicine Residency Program. Faculty members participated in internal medicine Grand Rounds and shared the knowledge as invited rheumatology speakers on a regular basis.

Due to the COVID pandemic, the annual CME Ultrasound course was not held. However, the division has remained active in virtual education at the national and international level. These efforts have included

presentations at national and international meetings as well as creation of training videos to be used on an international level.

E-Learning is an entrepreneur unique project that was pioneered by Dr. Kaeley. The aim of this project is to develop electronic learning content to cover basic Rheumatology Core Curriculum, as well as musculoskeletal ultrasound training material. Dr. Kaeley has successfully deployed Canvas to enable enhancement and deep learning with the fellowship program. The division has also undertaken novel organizational tools such as Trello to improve efficiency.

Research: The Division has been growing its research enterprise. Although the Division is active in numerous pharmaceutical trials, its emphasis is to develop investigator-initiated trials as well as to seek grants. The division has a strong quality improvement program as well as collaboration with the Pharmacy department, which has resulted in poster presentations at the Annual Meeting of the American College of Rheumatology. The division has also started projects with the UF Health Emergency Department. The Division has collaborated with multiple national renowned researchers. Of note, the Division collaborated with University of Alabama to develop skills in meta-analysis resulting in a publication. The Division continues to collaborate with the University of California, Los Angeles Division of Rheumatology in a bi-center prospective trial of Tocilizumab in Rheumatoid Arthritis, utilizing Power Doppler as a secondary outcome measure. In addition, the Division has collaborations with the Women's Hospital, Toronto as well as University of Ottawa as part of an international effort to develop a musculoskeletal ultrasound enthesitis diagnostic tool. The Division has also been evaluating Medicare Expenditures for Musculoskeletal Ultrasound as well as drug utilization. The division had multiple poster presentations at the American College of Rheumatology virtual convergence meeting as well the EULAR (European League against Rheumatism) virtual meeting.

LISTING OF FACULTY MEMBERS



Gurjit S Kaeley, M.B.B.S., Professor and Chief

Medical School
Internship/residency
Subspecialty training

The London Hospital Medical College, London, UK
University of Tennessee College of Medicine
University of Tennessee College of Medicine



Laurie A. Ramrattan, M.B.B.S., Assistant Professor

Medical School
Internship/residency
Subspecialty training

University of West Indies
University of Florida College of Medicine-Jacksonville
University of Florida College of Medicine-Jacksonville



Karishma Ramsubeik, M.D., Assistant Professor

Medical School
Internship/residency
Subspecialty training
Subspecialty training

University of West Indies
University of Florida College of Medicine-Jacksonville
Jackson Health System, Miami FL (Geriatrics)
University of Wisconsin (Rheumatology)



Myint Thway, M.D., Assistant Professor

Medical School
Internship/residency
Subspecialty training

Institute of Medicine, Yangon, Myanmar
Lutheran Medical Center, New York
University of Miami, Miller School of Medicine

PUBLICATIONS

Manuscripts:

Bandikatla S, Maharaj S, Dadlani A, **Ramsubeik K**, Rojan A. Thrombosis secondary to protein-losing enteropathy (PLE): A case report and review. *Thrombosis Update*. Volume 3. 2021; 100050, ISSN 2666-5727, <https://doi.org/10.1016/j.tru.2021.100050>.

Eder L, Aydin SZ, **Kaeley GS**. The Role of Ultrasound in Research and Clinical Practice in Psoriatic Arthritis: Highlights From the GRAPPA Ultrasound Workshop. *J Rheumatol*. 2021 Mar 1;jrheum.201677. doi: 10.3899/jrheum.201677. Epub ahead of print. PMID: 33649071.

Kuo D, Morris NT, **Kaeley GS**, Ben-Artzi A, Brook J, Elashoff DA, Ranganath VK. Sentinel joint scoring in rheumatoid arthritis: an individualized power Doppler assessment strategy. *Clin Rheumatol*. 2021 Mar;40(3):1077-1084. doi: 10.1007/s10067-020-05340-9. Epub 2020 Aug 15. PMID: 32803573.

Kaeley GS, Eder L, Aydin SZ, Rich P, Bakewell CJ. Nail Psoriasis: Diagnosis, Assessment, Treatment Options, and Unmet Clinical Needs. *J Rheumatol*. 2021 Feb 15;jrheum.201471. doi: 10.3899/jrheum.201471. Epub ahead of print. PMID: 33589557.

Singh, S., Vaghaiwalla, Z., Thway, M., & Kaeley, G. S. (2021). Does withdrawal of immunosuppression in rheumatoid arthritis after SARS-CoV-2 infection increase the risk of vasculitis?. *BMJ Case Reports CP*, 14(4), e241125. PMID: 33846189.

Kaeley GS, Roth J. Imaging and rheumatic and musculoskeletal diseases. *Best Pract Res Clin Rheumatol*. 2020 Dec;34(6):101642. doi: 10.1016/j.berh.2020.101642. PMID: 33339594.

Kaeley GS, Roth J. Imaging in rheumatic and musculoskeletal conditions: State of the art and challenges. *Best Pract Res Clin Rheumatol*. 2020 Dec;34(6):101643. doi: 10.1016/j.berh.2020.101643. PMID: 33339593.

Ramsubeik K, Motilal S, Sanchez-Ramos L, **Ramrattan LA**, **Kaeley GS**, Singh JA. Diagnostic accuracy of salivary gland ultrasound in Sjögren's syndrome: A systematic review and meta-analysis. *Ther Adv Musculoskelet Dis*. 2020 Nov 21;12:1759720X20973560. doi: 10.1177/1759720X20973560. PMID: 33281953; PMCID: PMC7682247.

Woolf AD, Pisetsky DS, Rodeo SA, Waddell JP, Hagino H, **Kaeley GS**, Crotty M, Cameron ID, McGuigan L, McGuigan FE, Akesson KE. Clinical advances - from bench to bedside. *Best Pract Res Clin Rheumatol*. 2020 Nov 2:101598. doi: 10.1016/j.berh.2020.101598. Epub ahead of print. PMID: 33153896.

Mikulic SA, Chahin M, **Singh S**, **Thway M**. Rare but deadly manifestation of systemic lupus erythematosus. *BMJ Case Rep*. 2020 Nov 2;13(11):e239646. doi: 10.1136/bcr-2020-239646. PMID: 33139378; PMCID: PMC7607560.

Razmjou AA, Brook J, Elashoff D, **Kaeley G**, Choi S, Kermani T, Ranganath VK. Ultrasound and multi-biomarker disease activity score for assessing and predicting clinical response to tofacitinib treatment in patients with rheumatoid arthritis. *BMC Rheumatol*. 2020 Oct 19;4:55. doi: 10.1186/s41927-020-00153-4. PMID: 33089069; PMCID: PMC7569763.

Kaeley GS, Kaler JK. Peripheral Enthesitis in Spondyloarthritis: Lessons from Targeted Treatments. *Drugs*. 2020 Sep;80(14):1419-1441. doi: 10.1007/s40265-020-01352-6. PMID: 32720292.

Kaler J, **Ramsubeik K**. Cobra-Like Tophi of the Second Distal Interphalangeal Joint. *J Clin Rheumatol*. 2020, Aug 20. doi: 10.1097/RHU.0000000000001517. Epub ahead of print. PMID: 32826656

Kaler J, **Kaeley GS**. Secukinumab-Induced Lupus Erythematosus: A Case Report and Literature Review [published online ahead of print, 2020 Aug 17]. *J Clin Rheumatol*. 2020;10.1097/RHU.0000000000001511. doi:10.1097/RHU.0000000000001511.

Kaeley GS. Visualization of Enthesitis by Ultrasound: a Key Diagnostic Tool in Spondyloarthropathy Diagnosis and Management. *Curr Rheumatol Rep*. 2020;22(9):48. Published 2020 Jul 21. doi:10.1007/s11926-020-00927-2.

Kiel, J. M, & **Kaeley, G.** (2020). Can Ultrasound Aid in the Diagnosis of Gout and Septic Arthritis in the Setting of Monoarticular Joint Pain? *Mediterranean Journal of Emergency Medicine & Acute Care*. Retrieved from <https://escholarship.org/uc/item/1nw9c836>. In press July 2020.

Kaler, J, Sheffield, S, **Thway, M, Ramsubeik, K, Kaeley, G.** Pyoderma Gangrenosum as a Presenting Feature of Undifferentiated Spondyloarthritis with Erosive Inflammatory Arthritis. Case Reports in Rheumatology. 2020; 00:1-7

Book Chapters:

Ben-Artzi A, **Kaeley GS**, Ranganath VK. Ultrasound Scoring of Joint Synovitis: Objective Quantification of Articular Inflammation [Internet]. Cham: Springer International Publishing; 2021 [cited 2021 Jan 23]. Available from: <http://link.springer.com/10.1007/978-3-030-43272-0>.

Ramsubeik K., Ramrattan L.A., Thway M., Kaler J., Kaeley G.S. (2020). Regional Musculoskeletal Syndromes and the Use of Musculoskeletal Ultrasound. Pages 77-110. In: Efthimiou P. (eds) Absolute Rheumatology Review. Springer International Publishing, DOI: 10.1007/978-3-030-23022-7. ISBN 978-3-030-23021-0.

Electronic Publication Monographs:

Kaeley GS, Evaluation of Seronegative Arthritis. BMJ Point-of-Care; www.pointofcare.bmj.com. (Reviewed May 2021: <https://online.epocrates.com/u/29111057/Evaluation+of+seronegative+arthritis>).

Kaeley GS, Cryoglobulinemia. BMJ Point-of-Care; www.pointofcare.bmj.com. (Reviewed June 2020: <https://online.epocrates.com/u/2911870/Cryoglobulinemia>).

Web Based Electronic Learning Content:

October 2020 - Present: Editor-in-Chief Dr. Earl Silverman speaks with the team behind the paper Imaging Techniques: Options for the Diagnosis and Monitoring of Treatment of Enthesitis in Psoriatic Arthritis. Catherine Bakewell, Sibel Zehra Aydin, Veena K. Ranganath (absent), Lihi Eder and **Gurjit S. Kaeley** discuss the importance of early identification and treatment of enthesitis in patients with PsA. Full paper: <https://doi.org/10.3899/jrheum.190512> https://www.youtube.com/watch?v=YhGqIBpbPi8&feature=emb_logo.

August 2020 - Present: Group for Research and Assessment of Psoriasis and Psoriatic Arthritis (GRAPPA) musculoskeletal ultrasound videos:

- a. **Kaeley, GS.** Ultrasound of Dorsal Wrist Joints
- b. **Kaeley, GS.** Screening for Dorsal Tenosynovitis
- c. **Kaeley, GS.** Evaluating the Volar Finger for Tenosynovitis
- d. **Kaeley, GS.** Evaluating Dorsal Knee Recesses
- e. **Kaeley, GS.** Dorsal Toe Synovitis Evaluation

March 2020 - Present: Group for Research and Assessment of Psoriasis and Psoriatic Arthritis (GRAPPA) Enthesis Ultrasound Training Videos. Eder L, Aydin SZ, **Kaeley, GS.** Illustrations Roth J. <https://www.grappanetwork.org/ultrasound> Site contains seven training videos.

UF Canvas Electronic Learning Management System for Rheumatology Fellowship:

2015 – Present: **Kaeley GS**, Sonography of Psoriatic Arthritis. (Module for Ultrasound School for North American Rheumatologists): <https://vimeo.com/user19386467/review/145809370/90b8109dc7>

2013 – Present: **Kaeley GS**, Rheumatology Fellowship Learning Management System. Design, implementation of a learning management system for UFCOM-J Rheumatology Fellows. (<https://ufcomed.instructure.com/courses/67>).

2013 – 2020: **Kaeley GS**, Musculoskeletal Ultrasound CME Pre-Course Module. (CME provided by Suwanee Area Health Education Centers (AHEC).

Abstracts Presented:

Vaghaiwalla Z, Wasserman P, **Kaeley G.** POS0165 Study of Vertebral and Femur Fracture Prevalence and Scanographic Bone Attenuation Coefficient of the First Lumbar Vertebra in an Academic Hospital Setting. Ann Rheum Dis 2021; 80:295. Presented as poster tour EULAR virtual meeting June 2021.

Vaghaiwalla Z, **Kaeley G**. AB0618 Glucocorticoid Induced Osteoporosis Prevention in the Outpatient Rheumatology Clinic. *Annals of the Rheumatic Diseases* BMJ Publishing Group Ltd; 2021; 80:1343-4. EULAR virtual meeting June 2021.

Ramrattan LA, Vaghaiwalla Z, Singh S, **Ramsubeik K**, **Thway M**, **Kaeley G**. AB0119 Discordance of RAPID3 and CDAI in Rheumatoid Arthritis. *Ann Rheum Dis* 2021; 80:1088. EULAR virtual meeting June 2021.

Kaeley GS, Schett G, Conaghan PG, Mcgonagle D, Behrens F, Goupille P, et al. POS0194 Enthesitis in Patients with Psoriatic Arthritis Treated with Secukinumab Or Adalimumab: A Post Hoc Analysis Of Exceed. *Ann Rheum Dis* 2021; 80:311. Presented as poster tour EULAR virtual meeting June 2021.

Vaghaiwalla, Z, Wasserman, P, & **Kaeley, G**. (2021) *Study of Vertebral and Femur Fracture Prevalence and Scanographic Bone Attenuation Coefficient of the First Lumbar Vertebra in an Academic Hospital Setting*. EULAR virtual meeting June 2021. Pending publication in *Annals of the Rheumatic Diseases - the EULAR Journal*.

Vaghaiwalla, Z, & **Kaeley, G**. (2021) *Glucocorticoid induced Osteoporosis Prevention in the Outpatient Rheumatology Clinic*. EULAR virtual meeting June 2021. Pending publication in *Annals of the Rheumatic Diseases - the EULAR Journal*.

Kaler J, Vaghaiwalla Z, **Kaeley G**, Thway M. Mortality with Idiopathic Inflammatory Myositis in an Academic Hospital Setting: A Five-year Retrospective Study. American College of Rheumatology (ACR) Convergence 2020 Virtual Congress. November 2020.

Ferm J, Dang L, **Kaeley G**. Pharmacist-Driven Clinic Development for Patients with Incidental Vertebral or Hip Fractures. American College of Rheumatology (ACR) Convergence 2020 Virtual Congress. November 2020.

Eder L, Aydin S, **Kaeley G**. The Reliability of Scoring Sonographic Enthesial Abnormalities – the Diagnostic Ultrasound Enthesitis Tool (DUET) Study. Oral Presentation. American College of Rheumatology (ACR) Convergence 2020 Virtual Congress. November 2020.

Strand V, **Kaeley G**, Bergman M, Gladman D, Coates L, Hur P, Kim N, Parikh B, Pertel P, Mease P. Efficacy of Secukinumab on Patient-Reported Outcomes in Patients with Active Psoriatic Arthritis Stratified by Prior Tumor Necrosis Factor Inhibitor Use: Post Hoc Analysis from a Phase 3 Trial. American College of Rheumatology (ACR) Convergence 2020 Virtual Congress. November 2020.

Gottlieb AB, Bakewell C, Scher JU, D'Agostino MA, Thiele RG, Schett G, Merola JF, Steadman J, Kianifard F, Gomez B, **Kaeley GS**. A Placebo-Controlled Study of Secukinumab in Patients With Plaque Psoriasis and Subclinical Psoriatic Arthritis as Measured by Musculoskeletal Ultrasound: INTERCEPT Study Design. European Academy of Dermatology and Venereology Virtual Congress. October 2020.

Fahmi, K., Itani, R., Carrasquillo, S., Lung, J., Vaghaiwalla, Z., & Sattiraju, S. (2020). When Lupus Attacks!. *Journal of the American College of Cardiology*, 75(11 Supplement 1), 3033. American College of Cardiology Conference. November 2020.

Activities and Presentations:

Kaeley, G. Rheumatologic Applications in Musculoskeletal Ultrasound: Inflammatory Sonopathology of the Hand and Wrist. American Institute of Ultrasound in Medicine virtual annual meeting. April 2021.

Kaeley, G. Sonography of Rheumatoid Arthritis. USSONAR virtual meeting. January 2021.

Kaeley, G. Use of Sonography to Diagnose early Rheumatoid Arthritis and Psoriatic Arthritis. University of California Los Angeles Department of Rheumatology Virtual Grand Rounds. December 2020.

Kaeley, G. From Ps to PsA: Diagnostic and Prognostic Value of Inflammation Detected by US Including the New GRAPPA Score. (De Ps a APs: valor diagnóstico y pronóstico de la inflamación detectada por la US incluyendo el nuevo score Grappa.) Pan American Congress of Rheumatology (PANLAR) 2020. Virtual Format. September 2020.

Kaeley, G. Current Status of Sonography of Rheumatoid Arthritis. Pan American Congress of Rheumatology (PANLAR) and Florida Society of Rheumatology (FSR) session 2020. Virtual Format. September 2020.

Kaeley, G. Evaluation of RA / Inflammatory Arthritis Scoring. Ultrasound School of North American Rheumatologists (USSONAR) Advanced Ultrasound Annual Meeting – Virtual Format. August 2020.

Kaeley, G. Differentiation of Enthesitis From Pain Sensitization – Use and Limitations of Clinical and Sonographic Evaluation of Enthesitis. How do GRAPPA Sonographers Operationalize Enteseal Ultrasound in Patients With Psa And Fibromyalgia? Group for Research and Assessment of Psoriasis and Psoriatic Arthritis (GRAPPA) Annual Meeting Workshop. Virtual Meeting July 2020.

Thway, M. Crystal Induced Arthropathy. *Myanmar Medical Professional Global Association and MedGrow Education* Virtual Meeting July 2020

Kaler, J, Vaghaiwalla, Z, **Kaeley ,G**, & **Thway, M.** Mortality with Idiopathic Inflammatory Myositis in an Academic Hospital Setting: A Five-year Retrospective. *Duval County Medical Society's Annual Meeting* 2020

Chahin, M, & Vaghaiwalla, Z. Diffuse Pustules and Fever: An Uncommon Presentation of Psoriasis. *Florida Medical Association Annual Meeting* 2020

CLINICAL ACTIVITIES

	AY 20/21
Inpatient Activity	
Initial Inpatient Encounters	122
Outpatient Activity	
Clinic Visits	7219
US, extremity, nonvascular	667

CONTRACTS AND GRANTS

Principal Investigator	Study Title	Project Period	Sponsor	Award Amount
Kaeley, G	Phase 3B/4 Randomized Safety Endpoint Study Of 2 Doses Of Tofacitinib In Comparison To A Tumor Necrosis Factor (TNF) Inhibitor In Subjects With Rheumatoid Arthritis	7/5/14 - 2021	Pfizer	\$79,783.20
Kaeley, G	Phase 2 Study, Multicenter, Open-Label Extension (OLE) Study in Rheumatoid Arthritis Subjects Who Have Completed a Preceding Phase 2 Randomized Controlled Trial (RCT) with ABT-494	10/22/14 - Present	Abbvie	\$318,649.29
Kaeley, G	A Multicenter, Double-blind, Long Term Extension Study to Assess the Safety and Efficacy of Filgotinib in Subjects with Rheumatoid Arthritis (FINCH-4)	4/12/18 - Present	Gilead	\$288,920.00
Kaeley, G	A 52-week, phase 3, multicentre, randomised, double blind, efficacy and safety study comparing GSK3196165 with placebo and with tofacitinib, in combination with methotrexate in participants with moderately to severely active rheumatoid arthritis who have an inadequate response to methotrexate.	10/24/19 - 2021	GSK	\$120,605
Kaeley, G	A 24-week, phase 3, multicentre, randomised, double-blind, efficacy and safety study, comparing GSK3196165 with placebo and with sarilumab, in combination with conventional synthetic DMARDs, in participants with moderately to severely active rheumatoid arthritis who have an inadequate response to biological DMARDs and/or Janus Kinase inhibitors.	1/30/20 - Present	GSK	\$77,610
Kaeley, G	209564 :A multi-centre long-term extension study to assess the safety and efficacy of GSK3196165 in the treatment of rheumatoid arthritis.	10/23/20 - Present	GSK	\$235,435
Kaeley, G	The Diagnostic Ultrasound Enthesitis Tool (DUET) Study	10/23/20 – Present	GRAPPA	\$6,150

